

1/472

ua1a2

1 GAATTCTGAAG AAGTCCTTCA GTATCTTCAC CAGAGCCAAC TGAAAAGTCA  
51 AGGTCTTCAC GGAGGGAGGCG CTCAGTTCT TCTCCCCGTA CCAAGACAAC  
101 TTCGAGGAGA GGACGGTCTC CTTCACMCAA ACCTCGTNNG ACTCCAAAGA  
151 TCCVGATCCC GCTCACGGAG AGAGAAAMCC AGAACAAANCC CGACGCAGAG  
201 ATAGATCTGG ATCATCTCAG TCAACATCTC GAAGAAGACA GAGGAGCCGG  
251 TCTAGATCAC GAGTTACTCG GAGACRGAGG GGTGGCTCTK GTTACCATT  
301 AAGATCACCT ACCAGACAGG AGAGTTCTCG AACCTCCTCT AGACGCAGAA  
351 GAGGCCGCTN CCCSGACACC CTTGACCAGT CGGAAGCGAT CTCGATCAAG  
401 AACATCACCA GCTCCTTGGA MCGCTCTAG ATCTSGAGCC TCACCAGCTA  
451 CTCATSNGGC GGTCCAGGTC MAGAACACCA CTGATAAGCC GACGTAGGTC  
501 CAGATCTCGG ACCTCACCTG TGAGTAGGAG ACGGTCAAGG TCAGTGAATA  
551 GGCCTAGATC TCGATCAAGA GCATCCCCAG TGAGTCGAAG GCGATCCAGG  
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ua1a4f

1 GAATTCTTA TATTTAAAAA CTGCTACTTG TATAAATCTT TCCCAAATAC  
51 CGTGGGTTTT GTGCATAGTT TTTACAGATA TGGATTTAGC AGACTGTCTT  
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1 GAATTCATCG CACAAAAACC CTGGTATGAA GTCACTTCC AATGGAATT  
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201 CTGATKTAT

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1 GAATTGGGG TGTCTACTG ACTGATATT ATTGATTT ATTCATTTGG  
51 ATTCATACCT CACTGTCATA GCCGCAAAT TTATTAACC CATGNCCTB  
101 CCMGATGCYA GGTGAGATCT ACYTRGTGAA CTTAAWWAAM GCAGACTGGG  
151 ACCTAGGAAA ATTCAACCATT TTCATTGTAA TGTTCTCGGT TTTGCCTTA  
201 TCCATAGAAA AGTGGGCTCTGGGAATGAT GAGGACACTG AGGGGTGGAG  
251 GATACMAACS GAAAAGCTCA TGGAGATAGA GTKCAAGCAG AGAGTGTGGG  
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ua1a6r

1 GAATTGGGCC AAGGCCTTGC CAGCTGCTGA AACTGAGAAG GAAGCGGTGC  
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ua1b5

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151 NATGTACACG CTGCTTCGG GATTGTACAA GTACATGTT CAGAAGGATG  
201 AATACTGCAT CCTGATCCTG GGCCTGGACA ATGCTGGAA GACGGTAGGT  
251 CCCTGCTCTC TCACCAAGTT CCATTCCTG CCTGATCTAA NCCCCCGCCC  
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ua1c1

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351 ATTTTCCTCC ATTAGTTAA GTTACCTCT AGTGGAGAAT TAGTAAACC  
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ua1c6f

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451 GAGTCCYTTT TCCYCTAAC TGGCGGAGGT GGTGGAATAC ATTAATCACA  
501 TCTCTWATTCTTYTTGGCGCTTCTCGATT TTTGACSCAA G

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ua1c6r

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151 CACGACGACG ACCACGACCG GAGGGATCCT GATCGGCGAC CGCCTGTATT  
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ua1c6f

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451 GAGTCCYTT TCCYCTTAAC TGGCGGAGGT GGTGGAATAC ATTAATCACA  
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ua1c6r

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301 TCTKCGCATC TTGGGSTGCG AGCTCHATCC

ua1d2

1 GAATTGGGG GGTCTTCCTG CTCTGAAGC ACTGGGTGGA ACGGGGTCCC  
51 AGTAGCCGCA CTCAGCCTTA GGGTCTGCAT CCCATTAGGT TTCTAGGGCT  
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501 CCACTACANA GDAAGNNNN NCCCGAWYTC

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ua1d4

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ua1e1f

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201 AAAKTTGCTC CAATTGTGCT CTYCTGGTAC TCATGGAAC KCCCCTTKAC  
251 MAAGCGGAGG DCCAGGCTGG ACTTTBCCAC GGCAGTYTCK TCCAAGAGGD  
301 CC

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ua1e1r

1 GAATTCTGG AAGCCCCGGC CCAAAGTAAC GCTGCTGCC GGAGCCGCGT  
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101 ACCCCCACGS TCACTGGTAC TACTACAGAG CAGCKCGCCA TGGCGGGTCC  
151 GAGGAGGTGC AGCACGAACC CAATGGACCA GCTTGCTGGC AACAAAGATCT  
201 TGTCAGTTA AGCTTGGKCC TCTTYGGCG AGTCTKCCGT TRGGCAAGKB  
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ua1e1f

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301 CC

ua1e1r

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151 GAGGAGGTGC AGCACGAACC CAATGGACCA GCTTGCTGGC AACAAAGATCT  
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301 AGCACAATTG GA

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ua1e1f

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301 CC

ua1e1r

1 GAATTCTGGG AAGCCCCGGC CCAAAGTAAC GCTGCTGCC GGAGCCGCGT  
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151 GAGGAGGTGC AGCACGAACC CAATGGACCA GCTTGCTGGC AACAAAGATCT  
201 TGTCAGTTA AGCTTGGKCC TCTTYGGCG AGTCTKCCGT TRGGCAAGKB  
251 CARCCTGGTY CTCCCGCTTT GTCAAGGGGC AGTTYCATGA GTACCAGGAG  
301 AGCACACAATTG GA

ua1e3f

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51 GAAAGGATGT CACAGTGTCT TTATAACCGA GATAATGAAA TCTTAGCTTA  
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151 TGGTCTAAAA GGCTGTATT TGTCTGCTTT TTCACAAATC TATGGAAATT  
201 GATTCCCCA TCTTGCAGTG TGCTTAGCKC CCACGNTCCC CAAGTTCTAG  
251 AATTCTGGAA AGADCCTTCA TGTATGGAAT GTCTTCTGTK CAGAGGAGGT  
301 NCTCAGCATA

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ua1e3r

1 GGAATTCTG ACATCTGATC AGGAGTAAAC AGCACACAAA GGGAGTGT  
51 TAAAGGTTT CTGCAGTGT AAACAAACTG TGTCTAAGTA CAAGGGCTCT  
101 GGAATTACAA AGTTTACAAA GCAGCTCTAC CACGTCTCCA AGGCCAAAAT  
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201 CAGCTTAAGT GACATGAAAT AACTTGGACA AGGTCAAAC TGAGAGACTG  
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ua1e5r

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ua1e6f

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101 GCCGGTCACG GCCGCGCCCC CCAGCGACGT CACCCACACB NGCAGAAGCG  
151 GACGCCGCGG TCAAGATGTC TCTGCCATGC CCACGGGACG CACGGACGCA  
201 CGGACGGACG GACGGACTCC ACAAGGKAGG AAGCCTGBC CGGAGCGCAC  
251 CGGBCGCACC CACCACAGCA CACAGGACAC ACGCGGGCCC BBSCCCGCC  
301 CAGGCACACG CGGBACACAC GGCACACACB GGCMAGGCAG GCCAGGSCAC  
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ua1e6r

1 GGAATTCCCC GGCTCGAGCG GCGCTTTTT TTTTTTTTT TTCCATTTCA  
51 ACTGCAATTT TATTGAGGGG GACATGTCTG TACGCAGTCA GGCCCTGTTG  
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ua1f1r

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101 GTATTTTAA AATKKCCACA AAATTCAATT CTTWGGAATT TCTCTTAGAC  
151 ACTGTTCAATTAAATTTTT TKCAATKGGG ACAGAACCTG GGGCTTGTG  
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151 GBTGTAGGGG TCNKCTTGA AGTACATGTA CTGCATGTYC CCCCTTTTT  
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251 GTYCCAGGKC TCCYTTTTTC CCTCGGTTGC TTTAGKTCTT CTACTACYTG  
301 TGACT

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ua1f3r

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ua1f5f

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151 WAARGTGAAT GKTACYTTCT TAARGTGCTC AACTCTTTT ATCAGGAAGK  
201 GAACCCYCAG KTCCATTGTG GCYAACGTTA GGCTTGGCCT CTTGGTAAT  
251 AAWTGCGTAG BTCTYKGATT GAACNGCTAG GATTAGGC

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51 TTCAAATATT GATGCTTCCH CCCCCCCCCC CCACNNBTCC AGACTTCAT  
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151 GAGAGCGCTA CAGAACGTTGT TTACAAACCA GAGAACTGTT CATTAAGTGA  
201 AAACGTTAGG SAGCACATGT TCCGCAGAAG ATAACAAAAT AGATGGSGKA  
251 AATAGTGTAG TCGGTGTCGA AGCAATATTA AWCTDTKCCT ATTCCVGCT  
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ua1f6r

1 GAATTCCCC AGAAAATATA AGGATGCCAT ACACTTATA ATTCTAACAC  
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251 TTGTGAAGAG CTGCTCACTA AAAGCTAACT GTAGTTAAA GGTTATATAG  
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ua1g4r

1 GGAATTCCAT GATTGTTGAA CTACTGGTC AAAACTCAA TGAGGTGAAT  
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101 CAATCACGTC ATAGCTACCA GTACAAGTAG AGCAAATATT TATCCATTAA  
151 GCTCTGAGCT CTATATTATA TAATGGAGCC TTAAATCTAT GTGGTTTTA  
201 TCAATGGTT GTCTTTGAA TGGTTGTGGA AACTGTAGAT AACCTAACCG  
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ua1g5f

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151 CTTAAGCTAA GTTAAGATTG AAATTCTTTC TCAGGCTAAT GCTGTGTGAA  
201 GCAAACAAACA CTCACATTAA GAGCAAGCAT AATTCAAGA GATGCCAAAT  
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401 GCCTTCTACC CTGCTAGACT GTTGCTAATA TAAACAMGTA GTTCTGTGTC  
451 GTGTA

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ua1h2f

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251 TGACCTTTA GATGGGGACT GTCACCTCAT TAAACATAGT CACCTTGKT  
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451 ARGGTGTGGG

ua1h3f

1 GAATTGGAG TGCTTATGTT TGAGATGATG GCGGGAAGGT CTCCGTTGA  
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151 AAAGCAGCAA GTGTACTGAA GAGTTTCTC AACAGGACC CAAAGGAACG  
201 ATTGGGTTGT BACCCCTAAA CTGGATTGC TGACATTCAA GGACATCCAT  
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301 CCCTTAADC CAAACATTTC TKGGRGAATT TKGGTTGGA TAAWTTCGAT  
351 TCTCAGTTA CYDATGAACC AGTYC

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ua1h4

1 GAATTCCCTG GGAATGAAGG GCGGAATGTG GCTCAGTGT GAGTGGTCAA  
51 AGTGTCCCAG TGAGGGAGAA GTCTGGAGAA GGGCAGTGGT GAGACCTGMA  
101 AMCCTGAAAG CAGCTGCACT GTACACTTCA TGGCCRAAGC ATCAATCCTG  
151 AGTATGCTGT CACATGTTAA ACAACTGTA CACATTGAGA CAAGCAGAAG  
201 TCACCTGACT CTCTCAGTGG GACAGTGCTT CTCCWCTCAC GCCACTGTAC  
251 TGACTGAGGA CGGATCCCAC GTTGGGCTGT CTGCCTAAAN TCCANYTTGG  
301 RCMGCACACC CTGAGGAGCA GGCAGGCANG GCTCTGAAAG CAGAGCATGA  
351 TCCAGTCAAG GCTCAGGSAG CYTCACAHNN CTGAAGRAAT CATCAGAGTC  
401 ACACCTCCCT CGTGTGTACA ACCAGGAAGG AGGATGCTGC ATGAACGCAC  
451 TGAGAATTCA TTCAGTGAGA CTCTGAGAAA AGAGCCTGAC ACGTCGAATT  
501 CC

ua2h6f

1 GGAATTCTCT TTGCATAGAG GTGCAGCCCT GGGCGGCCCC GCHDHKHHHC  
51 TCCTCCACGT CCTCGGGGAC CCTGGTCTCT GCTCCCTCCT CACTATTGAA  
101 CTCAGAGCTA CTGGGGGAAA GAATGCAGGT TGGAGAAAGA CTCCAGGGAG  
151 TCCAAGCTGG GCGAGTCCCC AGGGGGGCTC GGCTCGCTGC TATCCCAACC  
201 CGGGCTCCSA GCTGCCCTG AAGGCCTTG TCACAGGCGC GGGTACCTGT  
251 GAAAAGAGAC GCGTGGGCAC CACCCACAG CAGGTTGCAG ACAGTGATGA  
301 CGACCACTCT GAGGGAGBNC TGGTGGAGAA CCACGTGGAT GGGACCATGA  
351 ACATGTTGGG AGGBBGTAGC AGTGTGGCH VGAAGCCCCT CAAGTCAGGC  
401 ATGAAGGAGC TGGCTGTGTT CCGGGAGAAG GTCAATGAAC AGCACCSGCA  
451 GATGGGCAAG GGTGCCAAC ACCTCAGTCT GGAGGVGCC AAGAAG

17/472

ua2h6r

1 GGAATTCTTC CTTCTTAA TCTTAAGTAA AAGAGACACA GGGATTCAA  
51 AATAAAAATT TCTTNCCAT TCCCAGGCCT GTACCCAGTG CCCTCCATAC  
101 CACCCTNCC CTCTCTAACAA GAAGCAAGGG AGGTCAGCT TAACAGCCGC  
151 TGGGGGGGGG TCAGANGGG GGCTTCTGAG CTCAGTGTG GTCTCTTCC  
201 AAATATAAAAT ACATGTGTCA AAACTKGGA ACTCCTCCAC ACCCGTCACC  
251 CTGANNCCCT CCATTTCTGC TGGTGTTCGG GATGGGGGAA GCCAGGCACC  
301 GACTGGCTGG GVGTACTG CACACTTGG GGCAKGGA CCCACCAGTC  
351 TCCTGCGYGYCT CGTTDGTAGV AAGAGATGGS ACYCVGGGGTYHHCCCCGGA  
401 TWGGTKGGGA GGCTCCCTGG ATGG

ua2h6f

1 GGAATTCTCT TTGCATAGAG GTGCAGCCCT GGGCGGCCCC GCHDHKHHHC  
51 TCCTCCACGT CCTCGGGGAC CCTGGTCTCT GCTCCCTCCT CACTATTGAA  
101 CTCAGAGCTA CTGGGGGAAA GAATGCAGGT TGGAGAAAGA CTCCAGGGAG  
151 TCCAAGCTGG GCGAGTCCCC AGGGGGGCTC GGCTCGCTGC TATCCAACC  
201 CGGGCTCCSA GCTGCCCTG AAGGCGCTTG TCACAGGCGC GGGTACCTGT  
251 GAAAAGAGAC GCGTGGGCAC CACCCACAG CAGGTTGCAG ACAGTGATGA  
301 CGACCACTCT GAGGGAGBNC TGGTGGAGAA CCACGTGGAT GGGACCATGA  
351 ACATGTTGGG AGGBBGTAGC AGTGCTGGCH VGAAGCCCCT CAAGTCAGGC  
401 ATGAAGGAGC TGGCTGTGTT CCGGGAGAAG GTCAATGAAC AGCACCSGCA  
451 GATGGGCAAG GGTGCCAAAC ACCTCAGTCT GGAGGVGCCA AAGAAG

18/472

ua2h6r

1 GGAATTCTTC CTTCCTTAA TCTTAAGTAA AAGAGACACA GGGATTCAAA  
51 AATAAAAATT TCTTNNCCAT TCCCAGGCCT GTACCCAGTG CCCTCCATAC  
101 CACCCTTNCC CTCTCTAACAA GAAGCAAGGG AGGTTCAGCT TAACAGGCCGC  
151 TGGGGGGGGG TCAGANGGGG GGCTTCTGAG CTCAGTGTG GTCTCTTCC  
201 AAATATAAAAT ACATGTGTCA AAACATKGGGA ACTCCTCCAC ACCCGTCACC  
251 CTGANNCCCT CCATTTCTGC TGGTGTTCGG GATGGGGGAA GCCAGGCACC  
301 GACTGGCTGG GVGTTTACTG CACACTTGG GGCAATKGGGC CCCACCAGTC  
351 TCCTGCGYGYCT CGTTDGTAGV AAGAGATGGS ACYCVGGGGT YHHCCCCGGA  
401 TWGGTKGGGA GGCTCCCTGG ATGG

ua2h7r

1 CAGGAAATRG GACAGTCTCC AGGCKYCAGA TTGGAGGGAG CRTACCATCA  
51 CTTGTTGCAT GGAGTCCCCT GTKCCTCCGT GGGGCTCAGG TKGKAAGCTD  
101 GCCCCTAWGB CWGAGCATTG BCCCATTCCCT CYGGGGTRG GASCTCSAWA  
151 TBYBGCTTM

19/472

ug1rcon

1 GAATTGGCC TGCACAGACT TCTGGATGG CGCTGACATC TACCCTCTGT  
51 CGGGTTCAGA CAGAAAGAAA GTGCTGGACT TCTACCAGCG AGCCTGCCTA  
101 TCCGGCTATT GCTCTGCCTT TGCCCTACAAG CCCATGAAC GCACGCTGTC  
151 CTCTCAGCTC AACGGCAAGT GCATCGAGCT GGTGCAGGTC CCCGGCCAGA  
201 ACAGCATATT CACCATGTGC GAGCTGCCA GCACCATCCC CATCAAGCCA  
251 AACAAACGCC GCAGCAGCTG GHGCTCCGAT GAAGGGATCG GGGAGGTGCT  
301 GGAGAAAGAA GACTGCATGC AGGCCCTGAG CKGTCAGATC TTCATGGCA  
351 TGGTGTCCCTC CCAGTACCAAG GCCCGGCTGG ACATCGTGB CCTCATCGAT  
401 GGGCTGGTCA AMNCCTGCAT CCGCTTGAG TACCTTCTCT TTGGAGGATG  
451 AGCTCAGGAG CAAGGTGTTT GCAAAAAAAA TGGGCCTGGA RAAAAGGCTG  
501 GAAMTBCCAM ATCTCYCTMH MBCCAACCGG TGA

ug2rcon

1 GAATTCAAAA TCACTAACAA CCATAAAAGT AAAAACCCCT TGAGAATTAA  
51 AATGAACGAA AATCTATTTG CCTCATTCA TACCCCAACA ATAATAGGAT  
101 TCCCAATCGTTGTAGCCATC ATTATATTTCTT CTTCAATCCT ATTCCCATCC  
151 TCAAAACGCC TAATCAACAA CCGTCTCCAT TCTTCCAAC ACTGACTAGT  
201 TAAACTTATT ATCAAACAAA TAATGCTAAT CCACACACCA AAAGGACGAA  
251 CATGAACCCCT AATAATTGTT TCCCTAATCA TATTATTGG ATCAACAAAT  
301 CTCCTAGGCC TTTTACCAACA TACATTACA CCTACTACCC AACTATCCAT  
351 AAATCTAAGT ATGCCATTCACTATGAGCTGGAGCCGTA ATTACAGGCT  
401 TCCGACACAA ACTAAAAAG MTCACTTGCC CACTTCCTTYCACAAGGGA  
451 CTCCAATTTC ACTCAATTCC AATACCTTGA TTAWTATTG AAACAATTAG  
501 CCTAWTTTAT TC

20/472

ug3 meld

1 GGAATTCTGT TAAGAAGCAA GAGAGAGAGA GAAAGAGAGA GAGABAYAYA  
51 BNYANYANYA NYMNYMNYAB MHWGMRDSAG NNNNNNNNCC TGNNMCAGNC  
101 CATNCAGGGG NNTTTTTT TTTCCNACTT NAGNANCAAG NTGGNNCTGN  
151 CTTNCTNNCC AAACCTCCNNA GGNKGNNNTT ATTTNAAGGN CTGNAAGNTC  
201 GGNTGNCCN CGNCCCNNTG NNTCNACCC NNAGGNCCA AGNAAGNACG  
251 NTCTTNCTNC TGNTNTNCCN ACTCTNCNAC ANTAAGNNCC TTNNCATTN  
301 NAGNCAAGNT CCNTGGNNAA CTCNTCTNAT NGCTTNNGCN AGNCAGNCTN  
351 CTNCCCNNTT NCCCCNACNT GNTGNTNCCA GNSCANCCAT NC GTCCCTAAG  
401 GTCATCTCAG CAGACGCTGT ACGATGAGCA CACAGTCTTC CAGTGAAATC  
451 CGCCGTGATG GTGATGAGCA GCATCCTCGT GAGAGGGAGAT TGATTTGTG  
501 GTTACTACGG AGCTTCTCCA AGAGAAGGAT GAGTACAGGA TAGGCAGAGG  
551 ATGCCTCTGG GACCCTCGGG GTACATGGCA CTCACACCTC TCATTGCTGT  
601 GACAGGACAC CTGACAGAAA TGACCACGTT TCAAACATGT GAGCCTTTTC  
651 AGGACATTAA AATAGCAAAT AATGKGGAA TAGGACATTA AATGGTAGGG  
701 CATAAACAGA A

ug4rcon

1 GAATTCCCTGT GCTTCCACT GTGTGGCTAT TGGGGGGAAG TGCTGTCTTA  
51 AGACATTCTG ATGTTCTTA CCAGGTTGT TTTCTTCACA GCCCTAGGAC  
101 TGGACAAGAA CAGAGTCATA GAAACTGCTC CTCTCAGTTT CCGAAGCCTG  
151 CTAGGTGTAC TTGGTATTGA AGCTGCTCA GACAGCCTGA TAAGATTGTT  
201 CAGTGGAGAT AACAACTAGT CTCCCGCYGG CAAACACACA GGAACATTGC  
251 TGGGCTGAGG AACATTCAAAT ATATGTTGAC TATGAGCATT TCTCTTTCC  
301 AATTAGAAAC CATATCCTTC AGACATGAGT TTGTGTGCAT TAGTGGTATA  
351 TTACATATGA ACTCCCATGG CATAAAAAAA AATMMAGCTA TTAAGATATG  
401 TTAATAGTCA ACATATTTG AATGTTCCCTC AGCCCAGCAA TGTTCTGATG  
451 TTTCT

21/472

ug5rcon

1 GAATTCTGTA CACATCCTA TGAAAAGYAA GGGGGTAGTG CTGTCACTCA  
51 CATGCCAGTC GCTAAGAATA AGCAGTAACT AGGAATTATT GAGAAGTGCA  
101 AWCCYWGTAT THAATCAGYT CTKAATCTWC AGAGCCTTAT AGCMAACWAG  
151 AAWWGCYWGW AYCTGTAGCA ACTTGGGSCC ACWKATKGGT AGGWCCWYYG  
201 TAGTAACAAG AGAGGCACAC ACTTT

ug6rcon

1 GAATTCTTG TATAAGTCAC AAAAATCTAT GATGAAAATA AAACGAACAA  
51 ACAAAAAGAA GAAAAGAAAG AGAAAAAACAA ACAAATACTC CACCACATTA  
101 TTCATTCTTA CAGTGAATAC ATAACCTCTA AGTCCATCCT AAGTGTGGCT  
151 TTCTTCCTAT ACTGCATCCA TCAGATGTTG TTGCATGTCT GTTAGTCCTA  
201 AAATGAACTG ACAAAATATGT CTTCTCTTT TCAGAAATTG AGAGTGAGGT  
251 GTAAACATGA GCAGAATAGT CTTTTWAAA TTTTTACCT TAAATCCTTG  
301 AAGGTATCTT GCAGTTCACC CTCCTGCADG GTCAGTGTAA GAACCTTTA  
351 ATNGCTATMC ACCATAGG

ug6?con

1 TGNNTCGATG GATCCATCGA GGCTTGCCTT TGTTGCCTTG CTCACCTGTT  
51 GATTGCTATA GAGTCCCTGG GGTCCAGGAA CCTGCAAGAG ATGGGGGTGA  
101 AGGCCTCCTA TGCA TAGGTT CCATATCAMG TGTGTTGCTT GCCTGGTGGC  
151 AGCCCACAYT TTGTACCCAC TTCTCTGCT GGCTCTAGGA GCCTGGAACA  
201 TGCTCTTCCC CAGCCTGCCT CTGGCTTCC CTGTGGTCCT ACTCCGTGCC  
251 ACAGCACYTG GGAAGTCTT GTGACTAAG TCTCCTGATA GCCAGTKSTG  
301 CTTTAGARTG TGGCCGCTYC CCACCGCTKG CCGGGACCAT CCATTTCTTC  
351 TTCCCTCTTC CAGGAAGTTG GAGATA

22/472

ug7rcon

1 GGAATTCCAT TATTAAAAT TATTAACCAC TCATTCAATTG ACCTACCTGC  
51 CCCATCCAAC ATTTCATCAT GATGAAACTT TGGGTCCCTT CTAGGAGTCT  
101 GCCTAATAGT CCAAATCATT ACAGGTCTTT TCTTAGCCAT ACACTACACA  
151 TCAGATACAA TAACAGCCTT TTCATCAGTA ACACACATTG GTCGAGACGT  
201 AAATTACGGG TGACTAATCC GATATATAAC CGCAAACGGA GCCTCAATAT  
251 TTTTATTG CTTATTCCCTT CATGTCGGAC GAGGCTTATA TTATGGATCA  
301 TATACATTAGAACACCTG AAACATTGGA GTACTTCTAC TGTTCGCAGT  
351 CATAGCCACA GCATTTATAG GCTACGTCTTCCATGAGGA CAAATATCAT  
401 TCTGAGGTGC CACAGTTATT ACAAAACCTCC TATCAGCCAT CCCATATATT  
451 GGAACAACCC TAGTCGAATG AATTGAGGG GGGCTTCTCA GTAGACAAAG  
501 CCACCTTGAC CCGATTCTTC GCTTTCCACT TCATCTTACC ATTTATTATC  
551 GCGGCCCTAG CAATCGTTCA CCTCCTCTTG CTCCACGAAA CWGGGTCAAA  
601 CRACCCCCACA GGGTTAACT CAGATGCAGA TAAAATTCCA TTTCGCCCT

ug8rcon

1 GAATTCCGGC CTTTTTTAA GGTGTAGGGGA CCACGTGCAA ATTCAGCAC  
51 AGACCACAGG TTCTAGGAGG CTCTCTTCGT AAGTTATATC GTCTTCAAG  
101 AAATATCAGC CAAAAGAAAG TGGTTTATTA TTTTCTACT TTTCTTGAAC  
151 TTGGTAAAAAA AAATAGCCAT CTCTAAATAC TAAAGTATTT AAGTCTCAAG  
201 TTATATCACT TGGTATCACT TCTGTMCTGT GTTTCTTTC TTTATMCCCA  
251 CCCCTTGTT GTCTGGGAGG CCATATGCTC ATKCTGCCAA CDYTGGTCT  
301 GTGTTACCAAG GCTCCAGTGC TCCTCTT

23/472

ug9rcon

1 GAATTAGAAGGTCCTTATCCTCCCTCAAGCAACTCTTGGTTCTGT  
51 TAGATCCTAA CCCTGATCTT MTCAGCAGCT GTCTGTCAGG CAGTCTCCAC  
101 CCTGAACCAC CTTCTGAMCT CTYGCCATCT TTTGCCTAAA CATACTATTT  
151 MCTTTGGGGG ACTAAGGTTA TGAACTGAGG GGGAGTGGSC CTAGGSCCCT  
201 TAAGGTAGGC CTTCTWCAGGT TCTGGGGACT AAGAAAACCA GAACTTYCCT  
251 AAGYTGCCTCTGGVAAGCCT AAATTCCSST ATGCTCCCCCAAAGCA

ug10rcon

1 GGAATTCAACCACACNA CCTTCAGCTCATCGGATGTA CAGTTACAG  
51 TTGAGTAACA GTGAACGGAA GGATTTCTT TCTTGGTCGG ATGTGCAGAA  
101 CTTGGGATGT GTATATATAA ATATATAATA TRTATAAATA TATDTAATNC  
151 NGACTTAAAT

ug11rcon

1 GAATWCGTTC CCATGTAGGA GGTAAAACCA ATTCTGGAAG CATCTNANN  
51 TTCCATAAAAT AACTTTAATW YTTCAGCTAA TDACNGCCTT NGATTGTCTG  
101 NANCTCAGTA GCTATTAAAT AACATCGAGT AACATCTGCA TCAGGCHCTC  
151 AGAATATACA GTTGAGTTGG GAGTAAACTG AAAAGACAAA TGTGTTGAWG  
201 DCTATGCCAN GGGAACTND CTCAAAGCCT AACACAGNAD DCANCTTCAT  
251 CCCAGTGACD ATNYTGGACG TACAGATGGT GATDGCAAAG GTGTAGAAC  
301 CATTTCATCA AAGACTAAAT CTAAAACCCA GAGTAAAMAT CCGATGCTCA  
351 GAGTTAGCAT AATTGGAGCTATTAGGAA TWGCMGAGAA ATGCATTTM  
401 ACAGAAATCA AGATGTTAWW TTTTGTAAGA CHAWAWWCAC TTAGAMAATC  
451 GTGTTTCATT TGCTGTAAWC AGTTTTAAA AGTCARATGG AAAAAGCAAC  
501 TGAAGTTCCCTGAAAATAGA AAATGTAATT TT

24/472

ug12rcon

1 GAATTCGCGG TGTGGAGGCT GGTGCTGAGG CGCGGGCTGG GCTGGCGAAG  
51 GTTGGTGACT TGTGTGCAGC CAGTGAGGCG GGTACACCTGC ANGGGGGCCT  
101 TGAATGAAGG CTGCTAGGCG AGATCAGTGA AGAAGGAAGG GGCTTGGTG  
151 GCGGAGGCCG GGGAGAACATCA TGGAGGAAAG ACCNGGBNN NBAGGCTGAT  
201 GGGSGGGTTA CTGTAGAACG TGTCGAGGA ATCTGGAGAA ANGGGAGACC  
251 TTNGTTAGA CCGATTTKC AAANCAGTC CCCTTGTGG AGCTACCCCC  
301 CCAAAACCCC TGDNNDGCCCTGCTTACCGA CAATGGCAG CCTCTGTGG  
351 ATGCTCCCTG TCTGTCCAAG CTCTGACCAT CTCTATATCT AGTGCTTGTA  
401 CCTAGGTCTG CCTCACTCAT TGAATGGAGG AATGTTCCA GAGTAGGGCC  
451 AGGTCTTCTC AAAGTGG

ug13rcon

1 GGAATTCGTT TCATAATATT TATTTTTCA TTTGGGAACG GGGGATATT  
51 ATTTAGGAAG GATGGTTCAAG CTCTTTAAA TCTTGGGCT CACTGATGGG  
101 GTGGGGGGTG GGACACGGGG TTGAAGGAAC TTGAAAGTGG GGAGGAATGG  
151 TACTATTGGC ATGGGGGTAC CTGGTATTGA AAATGGACAC ATNHNCYAGC  
201 TGAGAGTGAT GTCACTHGCC TGAAACCCA TTATTCTTG GGATGCTGAG  
251 GCAGGAGGAT TGAGAGTTAG GGACTAATAA TNRCTAGGTG CTGACAGTAG  
301 AACAGGAAGG AGGGTAGAAC CTGAGTTTG TNGCCTTT TAAA

25/472

ug14rcon

1 GAATTCTGGAG ACGCTATNCC GCTTCCATCC GTMDCDCAGA CCCTGCCGGA  
51 GCCGCTGCCG CAATGGATGA TCGGGAGGAT CTGGTGTACC AGGCGAANST  
101 GGCAGAGCAG GCCGAGCGAT ACGACGAAAT GGNTGGAATC AATGAADRAA  
151 GTAGCAGGGTA TGGACGTTGA GCTGACAGTT GAAGAACGAA ACCTTTWAT  
201 CTNGTTGCAT ATNAAAAATG TGATTKGATG CCAGAACAGC ATCCTGGAGA  
251 ATAATCAGCA GCATTGAACA GRAGGAAGAA AACAAAGGGAG GAGAGGACAA  
301 WTTAAAGATG ATTGKGAGT TACCGGAAA TGTTGAAAH CTGAGBYTCA  
351 AGTTAATCTG TTGTGAACAT TCTGGATGTA CTGGACAAAC ACCTCATTCC  
401 AG

ug15rcon

1 GAATTCTGAGA AGACTTACAG TGGTGGCCTG ATAAGGTATT TGGGAAAAGT  
51 TTATACCTTT CATTAGAGTC CTAACAACCA TTCACTCCAT TAAATGTTTC  
101 TGTTTGATTG AATGAGACTT TTATAGGACT GTTGAAAAGA GGCATCAGTT  
151 TTAAAGTGCT TATCTGCCCT TTGTTTAGA AGCAGACCAC TAGAGATCTT  
201 CTGGTGCATT CCCAAGCTAG GTACCACATG CACTTGWTBC TTGATGAAAT  
251 GAATTAGAGG ATTGGGGTGG TAGTCTCAGT AACACATGAG AATTGTTACA  
301 TTCTTTGGTA GGCATTGACT CTDMCAGGTT TGAAATGTCA AATGGACCCCT  
351 AGTTTCTACA GGGCAAGCTC TAGTCATTGA TGCAGGGTGC ATGTAGGGAC  
401 GAGATAAGGG CTATGGATT CCATTTATG AAGTACGTTT GATAGACCT  
451 GTGATGCTTA GTAGACAAAG GAGTAGGCCA AATGAGAGTA GGGGAGGKKC  
501 AGAAAATAGD GCCAGAGGTA AATTY

26/472

ug16/38/80

1 CGCGGATTCT TTATCACTGA TAAGTTGGTG GACATATTAT GTTTATCAGT  
51 GATAAAAGTGT CAAGCATGAC AAANGTTGCA GCCGAATACA GTGATCCGTG  
101 CBGCCCTGGA CCTGTTGAAC GAGGTCGGVG TAGACGGTCT GACGACACGC  
151 AAACTGGVDG AACGGNTNGG BGGTCAGCN GCCGGVGCTT TACNGDHVCT  
201 TCAGGAACAA GCGGGCGCKG CTCGACGCAC TGGCCGAAGC CATGCTGGCG  
251 GAGAATCATA CGCATTCGGT GCCGAGAGCC GACGACGACT GGCGCTCATT  
301 TCTGANNCGG GAATGCCCGC WGCTTCAGGC AGGNGCTGCT CGCCTASCSC  
351 CAGCACACTG GCGGNNTCG AGCATGCATC TAGAGGGCCC AATTGCCCT  
401 ATAGTGAGTC GTATTACAATTCACTGGCCG TCGTTTACA ACGTCGTGAC  
451 TGGGAAA

ug17rcon

1 GAATTCCCGA AAACTCCTCC TGCCCAAAGC TCCCNTAGC TACTACACTG  
51 AATCCACACA GGCTTGGTAG AAACCACAGC GGTCGCCCCA AATCTGCCAC  
101 AGTTAACGCT ATATGTAAAA CTTGAAACAG ACTCTYAAAA CCCCTGGTAG  
151 ACTTHTAGCT TCTTGAGGGGA TCANTTGGTT ACAGAGTCAG TCAACATAGC  
201 AACNTATDCC TCCNRGGCAT CNNGGTACGT CACCAACATA NNGSYTTGNH  
251 HAGCCCGAGC CACACAACBS NTCAGBTTAC NNCGCTMGCA GTACHSVCNN  
301 NARDAMGTGG STGTTYNWK GGCRGCMCTT NNTYAWCMAR CNKRAGCYRT  
351 VKGNNNNNAG SWKYBNTNSR KAWYYRKGSN GCCCCAGGAC AACAAAGCCAG  
401 CAGTTTCTAC TTCTGCAGCT CTTGTTCTT AACAGTCTAG CTGACAAGCC  
451 ACCGTTCACT CCCAAATCCA CTCACCCAT TCAATAGSCC TAGARGTATA  
501 TTTAAG

27/472

ug18rcon

1 GGAATTCTGTT GGCACCAGGG CGCCACTAAA TTAAATTGAG TCAGGCCCTA  
51 AATGGTTCTK GCCTGGGTAT CAGGCGTAGG TTKGCCAGGA TTYYGCTTCC  
101 CTAAATACGT TTTTCTGACT TAGACTCATT TGTAATTATT GTTCATTTCA  
151 TTTGTGTTTT TTTTTCTTCC TCTTTCTCT CTCTCDCDH HNHCBTCCTG  
201 TCACAATGAT AACAAATTAG CATTCCAGCK CAAAAAGAGT YCTTNNTTGA  
251 GAAGCAAAAK CAAGGACAAA GACAAGTCTY CATTGGTCCA TCCAGCTCTC  
301 TCAA

ug19rcon

1 GAATTCCGCT GTCTTCAGAA GAGGGCATT AATCCCTGTT ACAGATGGTT  
51 GTGAGCCACC ATGTGGTTCC TGGGAATTGA ACTCAGAACCTCTGGAAAGAG  
101 CAGCCAGTGC TCTTAACCGC TGAGCCATCT CTCCAATCCG CAGTTATTCT  
151 CTTTACAAA TATTYYATTT TTACATGTGT TTGTATGTGC TTGTATGTGC  
201 ATATGTATTT GTAGATATCC ACCGGAGCTG AAATTACATA CAGGTAGCTG  
251 TGAGCMCCAT GTGAGTGCTG GGGAAATCAA CTCACTTGCC TTTTCAAAA  
301 TMAGTCCACG CTCCTAACTG TTGAGCCATC TCCTCAGGCC CCAACTTTCT  
351 GATATTTCA AAATAAAAGT CAACGGTACA TCTATGGCA GGATCGAGCT  
401 ATATGMAGGT CMCAAGTACTT CCAGGGYTCA CGADVTAGCT AATGTATRCT  
451 CGGTGCTTGC TAAGAACTAT A

ug20r2

1 GAATTCCCTCT GCATAGCAAG TGCTAGGASY AT

28/472

ug21rcon

1 GAATTCCCAA ATTTGGTTA AAAATAAAA ATTATTCTCC GGCTCTACCT  
51 CGCCTCCCCA AAAGATACCG AGAGCCACAT GTGTGGGTTT TACCAAGTACC  
101 CACGGGAGGA ATCGGGTCCA TGTCCACCCA AGCCAAGGTT AAAAGCCCAC  
151 TCATCTACGG ATGAGAAAAT CAATTGAAT CACCTCAGTT AAGCGTTGCC  
201 TTAATTAACTTAATTAATA AGGGGGGGAG ARAGATTGGA GGACVATACT  
251 AATTGAAARG GGCAAGCCCT THACWGCCCCA ACCAAACAAA ATWAAAAGRGA  
301 CCGGYYAAC MGSCTTCYT CCCTKGWTYY AAA

ug22rcon

1 GAATTCCCCG GCTCDAGCGG CCGCTTTTT TTTTTTTTT TAGTTTG TG  
51 TCGTTAATT AAAAAAAC TC AACAGGGATA AAAAACAAAG CATTACAT  
101 AATGCATACA TTCTAACAT CTGCAGATGA GATAAATAAA AGAAGGCTAA  
151 AGCAGACATA CTGTGTATTG CTTCTCTTG GTAAGTTACC AATATCCTCT  
201 GCAGAAATAA AATATGTTAA AAACAAAACC CATGGMTTA AAATAATTGT  
251 CCCTTAGTATAACCHAAAT ATTCAAGCAAT AATTACAGTA GATGTAGTTT  
301 TCAAATTGGC AAGAATGCAT AATACTTAT TCTCTGAGGG GTAAGTAGCT  
351 GCTTCCAAA ATTAA

ug23rcon

1 GAATTCTACC TGGCCACCTC AGACAAGGAG AGGAADGAAG ATWGTCGA  
51 GAGCTCATGC AAGTCGTCCCT GGCTAGAAAG CCCAAATGT GCAGCTCCT  
101 GGAGTGGAGG GACCTCAAAG TTGTCTATAA GAAGATAACGC CARTCTCTAT  
151 TTCTGCTGCG CCATCGAAGG GCCAAGACAA CGAGCTGATC AACTGGARG  
201 CTGATCCACC GATACGTAGA GCTCTGGAC AAGTACTTCG GMARCGTATG  
251 TGAGTTGGAA CAWCATCTTY MAACTTKAG GAAAGCCTAM CTTAWTCTG  
301 GRMSGAGDTT TYTKAWTGGG TNRGGGAATG A

29/472

ug24rcon

1 GGAATTCCCTC GCTGCGGCTG CGGGATGGTT GGCGGTGGCG GGAAGCGCCG  
51 GACGGCCGGG GCAGGACCGC AGTTGTGACA AAGACTTTTC ATGGTGCAGG  
101 CTTGGTTGTT CCAGTAGATA AAAATGATGT TGGTTACCGA GAGCTCCCTG  
151 AAACAGATGC TGACCTTAAG AGAACATGCA AGGCAGTTGT CGACGCTGCA  
201 AGSSACCGAG GAGAGACTGA AAGCATTGCG TCCCATTCAAG GAGATGATGA  
251 CTTTGTCAGCTT GTTTGTGCA GTTGCTAAT GATGAGTGTG ATTATGGCAT GGGGCTGGAA  
301 TTAGGAATGG ACCTCTTTG CYATGGCTCT CATTATTTTC ACAAAAGTTGC  
351 TGGTCAGCTT TTACCTCTTG CGTATAATCT ATTGAAGAGG GATCTGTTG  
401 CAAAAATTAT TGAAGATCAT CTGGCAAGCA GAAGTGAAGA GAACATAGAC  
451 CAGCTTGCAG GATGAACAAG CTGCCCTGTT AGTGCAGTGB CTTTGAAGTG  
501 GGACCAGCAG ACAGGGCTTT GTTTTAAGG AATGGAGAAA TAAATGAATT  
551 CCMC

ug25rcon

1 GAATTCCCTG GAGGAGCTCA TCGACTACAC CGGCGGCCTC AAGCACGAGA  
51 TCCTGCAGAG CCACGGTCAA GATGCTGAAT TATCAGGGAC ACTTCACTT  
101 GTTYCTGACA CAGTGCTGCA AAAGAATAAA GGACACTGTC CAGAAGTTGG  
151 CCTCTGACCA CAAAGACATC CATAGCAGTG TTCTCGAGTT GGAAAAGCCA  
201 TTGATARGAA TTTGATTCT GACATTAGGC ARGKGTGGG GAATWGATGG  
251 YYTGCTKGCC AGGCCAGRAC AGCCMAACGG CTTCTCAATK GAGGTCAKG  
301 GKTGGRAACA ACKTTCTTTC CGGACCAAGG RAA

30/472

ug26rcon

1 GAATTCTTGTGTCATGCCCTCCACAGTAGGGTACAGAT TACTGTGTGT  
51 GGGTGTGTGTGCGTGTGTGT ATGTATGAGA TATATACTGC TAGCTCCCCA  
101 GAACTAGTCT GTGGGGATCA TCTTCCTGGTTAACTGATGC ACGGCCCAAG  
151 TTCGGCAACA GCATCTCAAG GCAGGTGGTC CCGGGCTGTA TAAGAACATCA  
201 GCCAAGCATG AGACAATTGT TTTCTTAGCT GATGCATTGT ATTACAAAT  
251 TAGAACATGT CAAGACAGCA AGTCTCTCC TTAGATAATT TTCTTGGTAT  
301 TTCAAATACC TACAGTGCNTGACTTCAAC SCTGGGRRD ARGGARARDR  
351 VCACAACCT AAATACYTGT GGCGGCTAAS CGAACAGAAR GGGGCATGTG  
401 GTGAAGACCA RCCTGGGCTA TATGGTGAGA ATTCCACCA

ug27rcon

1 GAATTCCCGC ATCATGGTTT GTCTAACCT TAGGAAGCGA CCTCGTTGGT  
51 TTTCTTTAG GTCCAGGTAG TATTCCTAT TGTCCCTCTC TATATAGTCC  
101 GTTTGAGGA CACTGTGAGG ATGCTCTTCT GACCCCCTG ACACCGGTGG  
151 GGAGGGTGCA GAATGCTTCT GCYGCCTCCT GGAGACTTGC TCTTGCTCT  
201 GGCCATGCTC CTGTCTGTGG CCTTCAGGC CCAGATGGGC ATAGTGCTCG  
251 ATGAAGTYGC CTAGACAGTC CTTAGCTCT GCTGCTACCG ACAGGGAGAG  
301 GGTCAGTTA CTCTTCTGA TATTGTCCTG CCGGCCTCTC CCTATCCAGA  
351 CTTYGGCTAT CTTAGGAAG CNNBCCCGGG AGCTTGCTT CACGTCTAGG  
401 TAAAACCYCT TTTYTSGAT GTCCACACGT TTGGAGGCTA GCTCCTGGAT  
451 TTCSGATGTG CCCCCAGACT GATTAGGGGT BGCTGAHTCG GAGTAGTKGG  
501 GGGTAGTGAG AATDCTGGGB CTGGGGATAG AGGCTAC

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ug28rcon

1 GAATTCCCTG GTTATGTGGG GATAAAAATC CCAGGCAGCC TCTACCCAGA  
51 TGCCAGTCAC CTAGTAAAAA CAACCCTTA TAGTTTTA AACTAAAAAA  
101 GACAACGCTT GAACTCAGAA ATGTAATTTC TAACTCAACA CTAACCTGGT  
151 TAATATTAA TAACTGCAGG ACAAGTGGG GAGGGGGCAC GATGACAGAA  
201 TCGATTAGGA ATTTTAACG GTTGAATGCA CATAAGAACG CATCAGCAA  
251 ATGACCAACA AAGCAGTCTT AAAAATTCA CAGGCCCTGAG TAATCGAACT  
301 TCAGTAACCT AAACCCACCA TGGGGCAGTG TGCATGGAAA TCCCTTTKG  
351 CBCCTCCCTA AGGAGAGCAG TCTAAAGAAC AGATACCACT TCCTGCKAAT  
401 TCCACCACACT TGGCKGGCCG CTCGWGCATG CATCT

ug29rcon

1 GAATTCCAGA CTGACCCGGG CAGCCAAGGT GTTGGAGCAG CTCACAGGCC  
51 AGACCCCGGT GTTCTCCAAA GCTAGATACA CTGTCAGGTC CTTTGGCATC  
101 CGGAGAAATG AGAAGATTGC TGTTCACTGC ACAGTCCGCG GAGCCAAGGC  
151 AGAGGAAATT CTGGAGAAAG GCCTGAAGGT GCGGGAGTAT GAGTTGCGGA  
201 AAAATAACCT CTCGGATACT GGAAACTTG GTTTGGAAT TCAAGAACAC  
251 ATTGACCTGG GCATCAAATA CSACCCAASC ATKGGGATCT ACSGCCTKSG  
301 AMTTCTATCT CCTBCTC

ug30rcon

1 GAATTGGCC GAGCGCCGCT TTTTTTTTT TTTTTTTTT GAGGCGGGCA  
51 GCTAAGGAAG GTTGGTTCT CTGCCGGTCC CTCGAAAGCG TAGGGCTTGG  
101 GGGTTGGTCT GGTCCACTGG GATGATGTGA TGCTACAGTG GGGACTCTTC  
151 TGAAGCTGTT GGATGAATAT AGATTGTAGT GTGTGGTCT CTTTGAAAT  
201 TTTTTTCAG GTGACTTAAT TGTATCTTAA ATAACCTACC TATAGGGAAC  
251 MAAGGGAAGG TGGCTTWAT TKACCCCTGR AAGGGADTT TYTTCTGGGT  
301 GRATAGGCTT TTTWTTWTT TTCCAAGTTA AGAGGRTACT

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ug31con

1 CGCGATAGAA GACAGACNNG BTAGAGAGGY GGAGYAAYYC AGCAGCAGAA  
51 TNCTTGCCGA GCACGAAGCC CCAGCTTCCA TCCCTCCTGT TGCAAGAAAT  
101 AAATTAATT TAAAGTGCCA TTTAAAATAA AGGCATTGAG CCAGGTGGTG  
151 GTGGAGCACA CCTTTAATCT CAGCACATAG GAGTCAGAGG CAGGTGGATC  
201 TCTAGAGTTT GAGGCCAGCC TGGTCTATAT AAAGTGAGTT CAGGACAGCC  
251 AGGGTTGTT ACAMAAGAGA AAAAAAGATG TTGTAATTG GAGTAAAACA  
301 AACACAAACC GAAGAACATG TTACAGGAAT AATKTGAGAG AGTCACYGCT  
351 TTAGRATGAA TACTGTGGGG TTTTCTCYGT GTGTTCTTGG GGTGTTT

ug32rcon

1 GAATTCCCC TAATGCTTC CTGCTAGAAC ATCAATTAC TTTATCAAGT  
51 TCATACTCGT GCTTGAAAA GAAGAACAGC AACACACCAC AGCATCCATC  
101 GGGCCTGACC TTCTCAAAGT AAACACAGAG GGGCCTCTGA AAGGCAAGAA  
151 CCATTAACTC TTAAAATTCT TCCTGCCTTG GAGTGGAGGG GGTGGGGAGG  
201 CAGTGGATAC GTGTGCAGGC ATAGTAGTGA CAGAACTCAG CTGATGTTCT  
251 GGGGTTGGGC CTGGGAGAGA TATCATAACAG GACTCGGCC ATTTCCTACTC  
301 TCTGGCCTAA AGATTTGAA ATAGGACCAA GTTGTCCATG AAGAGGGGCT  
351 GAGAAGCCAG AAACTGGTAT TATAGCATAA TTTAGAACT CCGTGTGCTG  
401 TGATGAGATG CTGCCAGGCT GAGCTGCBGC CTCTGAGATG CTCGGCAGTC  
451 AGAGTGTGCTAAGAAAACC CCTCAGTATA GGAACAGACT CTAGGTGCCT  
501 GACATTTGTG GCTCTAGCAT CTATATTCAA TAGTTTHCAC ATGATAGGCC  
551 TGAAAACAT ATGTTCTGA GGACAAGACA TTTCTAAGAG AGCTCTGGAG  
601 GTTATTTGAA CAGGTTT

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ug33con

1 GNGGCGCAGT GTGGTVGMAT TCTTATACAA ACCGACAAC TGTACCAAAG  
51 CTTATAAAAC ACGATAGTAC TGTCCCTCTT TTCTGAACCA TCAGAAGACA  
101 CAAAACGT AGTGACACAA ACGGTGACAG GTAGCTGGGA CCTAGGCTAT  
151 CTTATTATGA AGGTTGTTT GCTTGTGTA TATTGTGTA TGTAGTGTAA  
201 CGAATTGTA CCATAGAGGA CTGTCGTAA CTACTGTTA GCTTCTACAC  
251 ATTGAAATGT AGATGTTCA TTGGCTGTCT GAAAAGGTGT GGCTTGTCT  
301 TCCTAGAGAG ATCTACTTAA AAACTGCTTT GTGACAAAAA CCACACCTGA  
351 AGAAATTAA AGAATTGGC CCAGTTAGTC ACTCTGTGTA ATCCCGGAAT  
401 CTAGCTGCTG AAGTCTGCG AAGTAAACTC CCCGTGACCG ATGTCAGTTA  
451 AGCTGGTGAT ACCTGGAGAD GTGGTCAGTT GCTAAGGAAG TGGATTCCC  
501 AGTAGGGGTT TCTGCACCTC ACCTGTATAG G

ug34con

1 GATTGAAACA TACCACCTCT GCCCCATAVA CTGTTCTCTC CGGGGGAAAA  
51 AAATGGAAGT TACCTCACAG TTCACTGCCG TGGTATTCA TCTGTCCCAT  
101 GCTTGATG ATTGCCATGG TACAGCATTG TTTCAAATG TTCACTGTGA  
151 TCTGTGGTC TTTGAGTTTC AGTGAGTTG CTGAAATGTC GAAGAAATAT  
201 TTCCAAACTT CAATGTTCAA TGAAATTGTTT GTTCAAGTTT GAAATGGAGA  
251 GAGCAGCTT AAAAGGTACT AAGCCTTTA CAAATTGGTG AGTACTGGCA  
301 CATGAGACCT AGAGCAGGAC CAACTCTCA CACATAGTCA GTGGGAAAAG  
351 AAAGTGCCTT GAAAGTTCTT CCCTCMCCTA CACAGTAGTC GTCATGTCGA  
401 GACCTGCCAG AGAGAGACAC ATTCTCAAGT GAATCCTGGCTTCTTGGAG  
451 CGCCTTSCCT AGACGAGACA CAGTGHCAATT AAAACAACCTT

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ug35 con

1 GGATTCTCTA CATAATTGA AAGGAGGCAN NGTCTCACTA TATGGCTAAG  
51 GCTATCCTGG AACTTGCGAT CCTCCTATCT CAGCCTTCCA AGTGCTAGGA  
101 CTACAGGTGT GTGCATCTCC ACTATCAGGC CTCACTTGTA GATGGGAAAC  
151 AGGAGTGCCC CATCTGAGAA TATGCATGGC CTCACTAATA AAGCCAGGAC  
201 CACACCACAG CAGTCCAGGT TGTCTBCGGC GATGGGCTGA CCTTCTGGGA  
251 CATACTACT CTATGTCCAA GCCAAGGACA CTGMCTTCC CCATGTGAAC  
301 CTAGTCCTCA GAAATGAGCC AYCCCTTCGA ATGGATTAT GCCACTGGAT  
351 GTGAAAAGGG ATGCTGTTGT TTTGTTATTG GGAAGCCCT

ug36rcon

1 GAATTCGCTT GCTTCAAAGC CAGCCTTTG GATTCAGAT GAGCCGCGGG  
51 TACCCGCAAT CTATGTGCCA GGACGCCAGA CCCGCTTATT GAAATCAGAG  
101 CTCTATTTG CCGGCTGGGA CCCACCGCCC AGAGCCACCT AGGTGCTAGT  
151 CGAGGGCGCA CGGAGCTGAG CTCTCCGCG GCTCCTGCAC TTCCCTCGGT  
201 CCGGCCTGGT CTTGGCACTC GGGCTGCTTG ATTTGGTGGT GCAAGAAAGG  
251 TATGCGTTGC ATACGCCCTA GCCCTTGCT CCAACGCTCT CAGCCCCCTT  
301 GGCTCAGACA GTCCACTCCT AGGTCTGGTT CTCACGGCT TCCCTGCAGC  
351 TGGCTTAGCT GAGAAGGCGG TGAGAGTCGC GTCAGCAGTT TTGGAGGGAGA  
401 AAGTGCGGGT TGATTATTGA CCCACGCCCT CTTTCTTCAA ATGCCACATC  
451 CGACCCCTGAG GGTTTGAAGA GAAAAAGCGG CCGAGCBGHW TTNNYCGGCC  
501 GGCTCTCACCTCCTAMACGT CCCGGGCTCT TCCCTTCAA GTTGCAGCCGC  
551 TGCAATCTGC CATAAGGAGC AAGTGTGTTGC TGTTTGTGC TCTGTTACA  
601 GCTTT

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ug37rcon

1 GAATTCTAAC GCGTGCAGCA GTCAGGGGCT CGTCCGAAAG CCGCCGTGGC  
51 GCAATGAAGG TGAAGGGCCC CGCCCGGGGG GCCCGAGGTG GGATCCCGAG  
101 GCCTCTCCAG TCCGCCGAGG GCGCACCAAC GGCCCGTCTC GCCCGCCGCG  
151 CCGGGGAGGT GGAGCACGAG CGTACSCGTT TAGGACCCGA AAGATGGTGA  
201 ACTATGCCTG GGCAGGGCGA AGCAGAGGAA ACTCTGGTGG AGGTCCGTAG  
251 CGGTCTTGAC GTGCAAATCG GTCGTCCGAC CTGGGTATAG GGGCGAAAGA  
301 CTAATCGAAC CATCTAGTAG CTGGTTCCCT HCNAAGTTTC CCTCAGGATA  
351 GCTGGCGCTC TCGCTCCCGA CGTACGCAGT TTTATCCGGT AAAGCGAATG  
401 ATTAGAGGTC TTGGGGGCCG AACGATCTC AACCTATTCT CAAACTTAA  
451 ATGGGTAAGA AGCCC

ug39rcon

1 GAATTCGCAG CAGCAGAAGA TGGGCGTCTA AAAAGGGGCG ATCAGATCAT  
51 TGCTGTCAAT GGGCAAAGTC TAGAAGGAGT GACCCATGAA GAAGCTGTTG  
101 CCATCCTCAA GAGGACAAAG GGCACCGTCA CCCTCATGGT TCTCTTTGA  
151 AGTGAUTGCC AGAGCTGAAG CAGCCCAGCC ACTGGCTCCC CTCCTACTGT  
201 AACAGAGAGG ACCTGTTGT ATGCTGTGTT GGTCGGAGAA AACTACAGGG  
251 AGGCGAGAAA CAGAGTGTGTT GTTACTCACA GCCAAGCATC ATTTTCCTT  
301 TACTCTGCAT TTCAATGATCA TATACTCAA AAGAAGAGAT ATTGATAG  
351 ATAAACCTCA GTTTATCTC GACAATATCT ACAATTAA GGTACGTGG  
401 ACAAAATTAT TATATGTTCA TCTTGTAGT GTGGAAACAA AATGATACAA  
451 AGTTAGGCAA TTAGGTTAAA GATGGAAATT TAGAGAAAAA GAAGACAGTT  
501 TTGAGTTTA TAGGACTTCTCAATCCAGC AGTCCAAAAG AAGAAAAGAA  
551 AGTGCTTGCA ATACTTTGA ATAGTCTACT GTTTAAAAT TGTGACATAT  
601 TGGTCCTACT TACCTCTAAT GCATATTTT CTGCTAAAAT TGTTAGCAG  
651 TCCTTGTAAG CTTAAAAGR AATTCCYGT T

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ug40rcon

1 GAATTCCCTT CAGAATTGTC ACCCACATA AAAAGTTTC CATCCTCAGT  
51 AAGAGCAGCG GATGTATTGG CGCCAGCAGA GAGCTGTTA ATGGTATCAG  
101 CAGGTGTAAA GAAGACAATT TGATGAAAGG TGTCTCTATC GTCAGTGTCA  
151 CCAAGCCCCA GTTGACCTTC ATTATTTCCA CCAGCTGCAT ATACGCCACC  
201 AGTATCTGTT GAAACTAAGG TGTGGTTCT TCCACAGGCA GCAAGTTCA  
251 CCTTCTCAGG CTTAAGAGCT TTGATACATG TTGGCTTGAT GATAGCAGCT  
301 TTTGATCCTA ATCCTAACTG ACCCCAGTTG TTACTGCCGA ACATGTACAA  
351 TTTATTATTT CCTGTAACAA TAGCAGTATG TTCATCTCCA CATGAAAGAC  
401 ATATGGGTAT GTCATTTTA AACCAGAATT TGCTAGGAAT ATTTTCGGCA  
451 AATTTAGTTN NNCAAACGTT AAAAACAGCA CCTGTATCGG GCACCAGTGA  
501 CTCAGATTCC GCCATGCCGA AGCCTGCGAA CGGAATCT

ug41rcon

1 GCGCTTCTNG CKRNNGTCAT GGCATCNTAG GAGNGTGSCC AATBRCGCSC  
51 CTATTAKGTN GASTGCGTHN TTTARCRATT TACASCTKGG GCCGGTTCGT  
101 TTTTTAGCVA ACCGTAYGGT SGATCTTGGG

ug42con

1 ATTCTCAGGC CTCCTTAGTC ACTGAGACCA GGCTCTCCC ATCAAACCTCC  
51 TTGAGCTGCT GCACGCAGTA CTCGTCAATA GGCTCAGTCA TATAACCAC  
101 CTCGAAGCCC CGCTTCCGCA CTCGCTCCAC AAAGGCAGAG TTGGCCACTT  
151 GCTCTTGCT CTCACCAGTG ATATAGTAGA TGGACTTCTG GGTCTCCTTC  
201 ATGCGAGACA CATACTCTGA CAAGGGAGTC ATCTCATCTC CAGACTGAGA  
251 GGTGTGATAG CGAAGGGAGCT CAGAGAGGCG GCBGCGGTTA GTGGAATCTT  
301 CATGAATTCC AAGCTTAAA TTCTTGGAGA AGGCCTCATA GAACTTCTG  
351 TAGTTCTCCT TGTCCCTCAGC CAGCTCGGAG WAKATGCTYC AHGGCACTTC  
401 TTGACGATGT TCTTGCAGGAT GA

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ug43rcon

1 CGCAGTGTGT SNTCGCATT AGTTTTTT TYBBGCACCT TATTCCGTG  
51 GTGTCTTCAC TAGAGATAAT CAGGGTGCCA CTACTGCTTC TTACTTTGAT  
101 ACCTTAGCA AAAATCCAA TGAGGTAATT TATGGTTAG TAAATGAAC  
151 CAATAGCTT TTKGTTCAA GAGTCCAACA ATCCTAATT CTTGAACCTT  
201 TTCTTAGAGG TTATATTTC CAATCTGGT TTTGTTCTT TAAWTTGT  
251 TCYTTAWCTT TCTCTCATT TYACGKKATT TCTGAAACAA CACCCCACTA  
301 GGAAWTTGAG CCCMCAGTTC AATTKGACCT CACCTCCTAA GAAGTGGGSC  
351 TTCTTTCAAG TGGACCACCA CTWAAAGGRA AAC

ug44rcon

1 GAATTCCGT GGGCAATGAC ACACACACAC ACAGAGTGAG GGAGAGAGAG  
51 ACAGATACAC ACATACATT GAATGAAATT TTAATTTAAC TCATGTAATG  
101 CCCTTGAGAC ATGGAAAACG CAGTTGTGAG GTTAAACCAT ACAAGCTTAA  
151 GACTTGACA GCATCAAATT GATCACCAACG TTTACTGTCA GAAGCACAGA  
201 ATTCAATGGTT TCCCACTTTC TTTCCTACGT TAGATAAGCT TGCTAGTGT  
251 GAGTTGTCA TAGGCGATGT CTTGTTAGA TAGGCTGTT ACGATTACACA  
301 GTTGTCTA ATTAAATATG AGTTTTAAG TTATTGATGC CCCCATGTGG  
351 TGAAAAGCGT ATCTTCCTC TGTTAGAACT TGGAAATGAC TATATTTCA  
401 TTTTAATAAA AGTGGATAAT AATGTTTTT GGAAATGCTG TTGATCAGGG  
451 ACATAATTG AATTTGTAA AGCTCATTGC CATAAAATTC ACAGCCTCAC  
501 CCTGTGTTGT CTCAGAAGTG CATGTAACCA AGCACGCCA TTGAGACAAA  
551 GTATAAGAGA GACTGAGTTA TAGAATAGCM TAGGGCTTTH TCYGATCCAT  
601 GTTTGDTGA

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ug45

1 TCAGACCAAC ATCAATCGAT TCATTAATAA TCTTACACTA TTCCCTGATT  
51 CCATGCTTAT YCTCACCTCA GCCAACAAACA TATTTCAACT TTTCATTGGC  
101 TGAGAAGGGG TGGGAATTAT ATCTTCCTA CTAATTGGAT GATGGTACGG  
151 ACGAACAGAC GCAAATACTG CAGCCCTACA AGCAATCCTC TATAACCGCA  
201 TCGGAGACAT CGGATTCACT TAGCTATAAG TTTGATTTC CCTAAACATA  
251 AACTYATGGA GAACTTCAAC AGATTATATT CTCCAACAAAC AACGACAATC  
301 TAATTCCACT TATAGGGCCT ATTAA

ug46

1 TTGATGGAT TCCATCGAGG CTTGCCCTTG TTGCCTTGCT CACCTGTTGA  
51 TTGCTATAGA GTCCCTGGGG TCCAGGAACC TGCAAGAGAT GGGGGTGAAG  
101 GCCTCCTATG CATAGGTTCC ATATCAGTGT GTTGCTTGCC TGGTGGCAGC  
151 CCACATTTGT ACCCACTTCC TCTGCTGCTC TAGGAGCCTG GAACATGCTC  
201 TTCCCCAGCC TGCCCTGGC TTTCCCTGTG GTCTACTCC GTGCCACAGC  
251 ACTTGGGAAG TCTTGTGTAC TAAGTCTCCT GATAGCCAGT GCGCTGCTT  
301 AGARGTGTGG CCGCCTCCC ACCGGCGTGG CCGGGGACCA TCCATTCTT  
351 CTTCCCTTCTT

39/472

ug47rcon

1 GAATTCTGTT CCTGACATCA AGAAAACACT GCAAGTCCC AGGACAACGG  
51 GGACAGAGCT GAAGCTGGGG ACAGAAGCAG GGTGCTCCCT AGGCTACTTC  
101 TGTCTGGTT TCCAGGCCACC CAGACCCCTGA CTTGGGGCGT GAGTCCTTAA  
151 AATAGCTACA GTACAAGTAG GTATATGAAA GTGGAGTGTC CTTCAGAGTT  
201 CAAGCTACTA CAAAATGATA CCTGTCCCCT CCAGGGAATC CCAATTAGA  
251 AGTCAGAATT AAAGTGGCCA ATTATCTCTG AGACAGGGAG AGAGAGACAG  
301 CCTTGGAACG TTGCATCCAT GAGGACAGTA ATTTGTAAT GCTAAATGGT  
351 ATCCCCCTTC ATACAATGTG GCAAGGSATA TATGTCTTAA AACCAGCTTG  
401 AGCCAGGTAT GGTGATACAC YYCTGCAATC CAAACAMYTT GGGAGGCGTA  
451 GAGAGA

ug48

1 GGAATTCGAT CGGCCTATCC CACTAAACTG CTGGCTGGAG CTCTGAGAGC  
51 TCCTCCCTGC TGAGGCGGTG CTGCTGCCCG CGTAAGTGCC AGCAGCATAAC  
101 TCCTGCGCCG TGTAGCCACT GGTTGCCATA GGCAGCTGCC CCATAGGTGC  
151 CTTGAGCATA GGTGTATTGG CCTGCTTGTG CCCCAAAGGC AGAATTGGG  
201 CTTCCATAGC CACTGCCATT AGCATAACTG GCTCTATCGG GTTCCACTA  
251 CSGATCCCTG TAAGCTTGTGA GAAT

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ug49rcon

1 GAATTCGAA AAGGAGGCCT CGAATCTGAG TGACAATGGG CCCTTCTACT  
51 CCAGGGACAA TGATTGTATC CCCTTCCTTC AAACGTCCAT TGATCAATAT  
101 GACATCTATT GTGGTGCCC TTCTGGGAG AGCTTAACC TCCATGACTT  
151 GTGCTCTCAG CTCTCACAG TGTGCAAGCC TCTTGCTCAA CATGGTTGA  
201 GTTAACTCCA CAAGAAGGTA GATGAGACTT CCCATGCCAT CACCAAGTATG  
251 TGCAGAGGTA GGTACCAAGG ACACGAAAGT GCAGGGGATC TTTATTCTCA  
301 TAAAACAAAG CAGCATTCAA ACCCTGCTGT GCAAATTCTA CAATAATGGC  
351 CTTTGCACGC TCCTCAAATT CATCCTTGT ATCCTTCTC TGCTTTTTA  
401 AAGTAACAGC CWCATCTAGR ATCAGGASTB TTYTTCCAA TCATATAACC  
451 TGTTCAATCT TTATTAAGTG CAACAATGAA GGGGCACTTT TTAGATTTGA  
501 GAATKTTGATTGATTCAATT G

ug50rcon

1 CTCAGCTATG CADVWNNTG GTACGAGCTC GGATCCACTA GTAACGGCCG  
51 CCAGTGTGGT GGAATTCTT TTTTTTTTT TTTTTGAGA CAGGGTTCT  
101 CTGTATAGTC CTGGCTGTCC TGGAACTCAC TCTGGGATCA GGGTGGCCTT  
151 GAACTCAGAA ATCTGCCTAC CCCTGCCTCC CAAGTGTGG GATTAAAGGC  
201 GTGCACCACC ACTACCGCCC GGCCACTGAT ATGCCTTAAG TGACAGACAT  
251 TATGCTTGTCA ATTAGCTTT CACAAACAGT ACTGTCTCTA CAAGGCATTC  
301 AGATACAAGG AGCCTCAAGT ATCTCCTACC TGATAAGTCA TGTCAGAGG  
351 CTGCACTTCA TATGGGGTCA TTTATAATGT ACATGATTT ATTGTATAT  
401 TACTACTGAT CATGTACCAAG GGAAACTATT CTCAGAACCC AGTTTTGTT  
451 GGAAWACAAA AAGTGCAATA TATGACTCAA GTGAAAARA AATCCTCCAA  
501 TTTTATTTCT GTAAGGACAG GCTGGGCCTG ATGCACACAG GTCCCTCCCC  
551 GGACTAGTAA GGCAARATGC AGCTA

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ug51rcon

1 GGAATTCTT TTTTTTTTTT TTTTTTTTTT TTTTTAGAAC AACTCAGCAA  
51 AATAAAATTC CGGTTTATTG TTGGACATTG TTTCACACAT ACATCAAACA  
101 GGCCAAAAAA AAATAAACAG CAACTTCATA GACAGAAAGA AAAGGAAAAAA  
151 AAAAATCTT TTATCTTG CGCTTTAAC CATCTCATAC AAACCAACTA  
201 CTTATAGTAC AGCTAGGTAC ATACACAAAA GTTACTGGAA TGCTCGGAAT  
251 AAGATTGTT TTTGTTGTT GTTTTGCTT TTTTTACAA GGTTTTTTT  
301 TTCTCCTTG AGATTATAAT GAACATGGTC ACACCACAAG TAAAGTCTGA  
351 AGTAGGACAG AAAACKCTCT GAAGGCTGGT TTGGTCACCC GTTATCATT  
401 AAAATGGCTG GACCCTAAC AATATGTTAC AAAAATTAA AATGTTAAT

ug52rcon

1 GGAATTCTT TATCATAAAA GTGTTGACGT TTATTTATTA TAGCACCATT  
51 GAGACATTT GAAGTTGGAA TTGGTAAAAA AATAAAACAA AAGCATTGA  
101 CCTGTATTGG GTGGTTGAAA CAGCAAAAAA TTGTATTCTT TTTTGTC  
151 ATTATGCTTT TTCCAAAAGT TTGGAAATAA ATAACGGAA TTAGTTGGT  
201 CACTTGCACG GGTTGATAAG ATTAAAACAA GATGAACACA TGGATGTGGT  
251 TTTGTTTG CTGGGGTTTC AGAGAGTTD GCTTATAAAA AGCAACACAGG  
301 KCCAATGTCC ACACCAAATT CTTGATCAGG ACCCCCAATG TCATAGGGTG  
351 CGATATCTAT GATGGGTAGT CTCATTDCCT TGCCTGTTG ATATTCAAAG  
401 ACTGTCTTDC DCCATTCCCC AGTGTGTTA GTACAGCCAT TCCTCTAGAA  
451 CTGTGTAAGT GAATTDCTG TTTCCCTCCA GCCTGAA

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ug53rcon

1 GGAATTCCAG ATCAGCTCCA ACCCGGNGCT GGCAGCCATC TTTGAAAGTA  
51 TCCAGAAAGA TTCTTCGTCC ACCAACTTGG AATCAATGGA CACGAGTTAG  
101 ATGTGTGCNC CCCGTGAGGA CCATTCCATG TGACCGCACA ATGCACTGAA  
151 CGACAGGTTG ACCACAGCCA CGGGAGAGAGA GTGTCCAGAG CTTCACGATG  
201 TTCCACTTTA CTTTCCTTCC CGGGAAAGTTT GTTGGCTTT CTTCCATTGT  
251 TGTTTTGTA GCTTTWCTT CAGAAGTCTG TATTTCATA AGCCAGAGGT  
301 TGTAAAGCCA CTGATGTTTTAGTGGTTAG GGCAACATT GAAATGGGAA  
351 CTTAADDNCT TGGATTATG AAATGTGGAA ATAGGGTCCA GTATCTGTT

ug54

1 GAATTCCCGG GATTTCATGA TTTAAAAGGA AACATGGTGG TATTAACCCA  
51 CTTGGCAGGT GTCAAATCCT CATGACCAGC TTAAGACAGA TCCTAGACGG  
101 AAAGGGAGGT GCAGCCCAG TCAGGGCTTT GGGGTGCACA GGGAGCCAGT  
151 AAGGAGGAGA CCGTCTGGGT TTCTTCCAG ATGTTAACAT CTTCTGGCT  
201 CTTACTCACT CCCACCCCTTC CTCGTAACAA AATCAAGGCG AGCCCTCTAA  
251 GGCTGGAGAT AGCCCAGTCC AGCTCAGATT TAATACTCTA GCCCTCCCC  
301 TTGTGTTATT TTTHMCMAGC TGCCCTCTGC CTCCAACATA TGA

ug55rcon

1 GAATTCGAAC AGGCCAATSA GGAGCTTCGA GAACTTAYCC AGAATGTSAA  
51 AGACTTSCCT CAGCCGTGAG CCTCCCATGT GGCCCAGGCC ATGTGCTTGC  
101 TTCCCTTG TGCTGTGTA CTTGAGTCTC GGTGTCTGCA ATGGACATGT  
151 GTTTATRACC CTATGTCTGG CCCTGAGTCS CTGTCCAGTC AATGTSCCTA  
201 AGT

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ug56

1 GAATTCCCTC CTCCCGCAGTTGACAAGCCA AGCCGCCAGC TAGCTTCATC  
51 ACCAACTCGC TCTCGCTCCA CCATCCTGGA ACCCTTCCC AGCTTCACCA  
101 CCACATCCGT ATGGCTCCTT CTTCCTAGCT TCCTCCACCG AACCGCACTC  
151 TTTCCTGGGC TATCTTCACC ATGCACTGCT GCTGCHGGCT CCTCAGTCCT  
201 TCCTAGCTTC ACCAAACTGG CTTCGGGACT CCTGTCTGCC GCTCCTGTCT  
251 TCCTAGTTCA CTGAATGCAC TTCTGTGTAG ACCTGGGTCA GCTGCCAATG  
301 CTAGTCGTTA GGATTTAAA AGCACCTCAG CTCAAGTCCA ATGCAAAATG  
351 CTGACAATCT TGAAACTGTT ATCAAAAGTC CTTTGTCAT CAAGCAAAAT  
401 TAAGCTACAA GTTAAGGCTT TTAATATTCT CTAACCTTTA A

ug57rcon

1 GAATTCTGGA AGTGTGAGCG TCTCTGGAGC AGATTTTTC CGGGGCCGGT  
51 CTTTGGGAAT GGACAGAAAT TCTGGCGCAT CTGTGGAGAG AGGGGTGGAT  
101 GGGGCGCTGG AGGGGGCGCT GCGCACCGAG GAAGGCAGTA GGGCGATGCT  
151 GGAGATAGAA ATGGCCGGTG GGAAAWHGCC AATCTTCTTG TTGGTGGCTT  
201 CCTGAGTGGC TCTTCGAAC TCTCGCACTT CATCCATTGT CATGTCTCA  
251 AAGGGAAAAG CGGAGAAAAG AATAGTTACT GTTCGGACBG GCAAATGGGT  
301 TWHNHHNNCT AAATCTGGGG ACACTACCAT GAAGCTGATG CCTACCCAAT  
351 CACAAACTTG ACATGTCTT GAAATATTAG ACCCTCATT

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ug58rcon

1 GGAATTCTC GGTCACTCACT GGGAAGAGAG GCCCCTTGT CTTAAAATTT  
51 TTATATGCC CAGTACAGGG GAAGGACAGG GCCAAGAAGT GGGAGCAGCA  
101 TGGGGGGGGG TGATTTCGG GATAGCATT GAAATGTAAA TGAAAAAAATA  
151 TCTAATAAAAT TTTTAAAAAA GCCAGATGTT AAAATGTGAC AATAAATAAA  
201 TAAACAAACA AACAAATAAA TGTTTACAA CCTAAAAATT TTAAAGAAAAA  
251 AATGAAAAGT GGAGATGAGG GCCCAATT ACCTAATT ACTGCTGCAT  
301 CCTATTGGAA AATAAGTAAC AAAACTGTG AAATTGTTGC ATGTTTCTT  
351 GGTATTTGTT TTAATGAATA GTTCTAAC DCAGAAATCC TTGTGGAGGC  
401 AGCGCAGAGT AATGCATTGA TCATCA

ug59

1 TCTGAGACAA GGTCTTAGTG TACACGGCCT GCATGACCTG GCCTCCTGCT  
51 TAAAGAAATC CTCTTACCTC TGCCTCCAA ACGCTGGAT TACAGGAACA  
101 TGCCACCAGA TACAGCCAAA ATCATTACCT TTTCTTCCTT CTTTCAGTA  
151 CCAGGGTCCT ACACATGCTA GGCAAACCTCT CCAATACTAG CTACACCCAC  
201 AGCTCAGCGA CACAAGCTCG TCTCTGTGC TTGAGTCTAC AGTGAAGTT  
251 GACTCAACTG AAATGTTAC CTTGTTGATG CTGTAACACT GTCTGAGTCC  
301 AGAAGGTTTT CAGTCATCCT TAACTGCAGC ACCTCTGGCA TNYNGTCTGA  
351 CTTTCTACA CCTTCTCTG GAAGTTCTTC TATAT

ug60

1 GGCGGTAGGC GAGCAGCGCC TGCCTGAAGC TGCAGGCATT CCCGATCAGA  
51 AATGAGCGCC AGTCGTCGTC GGCTCTGGC ACCGAATGCG TATGATTCTC  
101 CGCCAGCATG GCTCGGCCA GTGCGTCGAG CAGCGCCCGC TTGTTCTGA  
151 AGTGCCAGTA AAGCGCCGGC TGCTGAACCC CCAACCGTTC CGCCAGTTG  
201 CGTGTGTCGAC GACCGTCTAC SCGACCTCGT TCAACAGGTC CAGGGCCGCA  
251 CGGATCACTG TATTCGGCTG CAACTTTGT CAATGCCTTG ACACTTTA

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ug61rcon

1 GAATTCTTT TTTTGTTAT TATCTGAAAT GATGTTTGA AACTTCTTT  
51 GTCTCTGCCT CACCCCCAAC CTACTCCCCT CTCCAAATCA CAAACTAGGG  
101 AATCTGGAAA CCAAGGAAAA TACCAAATCC AGATTCTTT TGAAGACCTA  
151 GAACCTTTA AGATGACTCC TTTCAGTGCT ATTGGTTGG AGCTCTGGTC  
201 CATGACATCC GACATCTTT TTTGACAAC TTATCATTAK TGGTGACCGA  
251 AGAGTAGTTG ATGATTGGGC CAATGATGGG TGGGGGCCTG AAGAAAGCTG  
301 CTGATGGGGC TGCTGAGGTT AKTGATTGTT CATTATTGT GGATTWTAT  
351 CCACTTTG GGGGGAGACT GATTACTTT TAAAAAGCAG

ug62rcon

1 GGAATTCGTC AGTGAGTGT GACTCATCCA AATACCAAGT GCTCTGGTCT  
51 GAAGCTGAGG GCCCTGCTGT AGGGTCCGGA GCCCCACACA CTGTGTTGAT  
101 GGCTGTGGAC TGGGAGGAAA GGAGCTCGTC TAGAAGACGC TGGGCTGTGG  
151 GGAGAACATCG CTGAGGAAGC TCACTGATAA GGTACTGAGC AAATTTTGA  
201 AGCTGGTCCC TTTGTAGCCG AGACAGGGAC TCTGAGACTG GAGCCCGCAG  
251 GCAGACTGCA GATGCGTTGT GAATGCGGAA GAGGCAGAGT GCCACGACAT  
301 GGGTGCACCA TTTGGCCCCG GCCCCACAGG TACAGCTACA AGAAGTGACC  
351 CGGCAGCNGT CAAACATCAC AGCTACATTG TAGGCCCC

ug63rcon

1 GGAATTCCAG ATATCTGCC AGCATCCTTA GTGGCCTGTC GCTGTGAATC  
51 ATTGAAATAA GCAGGGACTG TGATCACAGC ATTTTTGCT GTGTGGCCA  
101 AGTAATTTT TGCACTCTCT TTCACTTTCA TCAACACAAA TGCTCCAATC  
151 TGACTTGGAG AATAGAGTTT TCCATGAGCC TCAACCCAAG CATCACCATT  
201 GGAGCGCACG GCACAATTT AAAAGGACAC ATCTCTTAGT GTCTCTCTG  
251 TCACTCTCAG GGGTCACTCA TACTCGCTCG CTCCAATAAG CACGCTTAGT  
301 ACGCATAGAA GGTATTGTTT GGATTGGTSA CAGCTTCCCG TTTT

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ug64rcon

1 GGAATTCTAT TTGTAACCCC CTAATTGTA ACCCTGTAAC CCAGGGAGGT  
51 TAGACAACAC TCATTCCCTG GTGTCTTTG TCTCACTGAT CAGTCAGAAC  
101 CCAGCCTGAA AGCAGTTGTA GGACTGTTT CTAAGCCCTG GGCAGCAGAG  
151 GCAGGATTAG GAGTTCAAAG CAAGTCTTAA CTACATGGCA TAAAGAAAGT  
201 AGGAGCTACA GGAGATGTTT CTCTAACAG ACAGATATGA AATCTCTTA  
251 AAAACAGGGGA ATGAAATTCT TAATTTGGG GAGCAATATT GGAGAACTGW  
301 TNCACTTAAG AGATCACCCA TGTGATAGTG AAAAATGAAA TTTAAAATCT  
351 CAAT

ug65rcon

1 GGAATTGGC TGAGGCTGCA ATGTGAGGTT AGATGTGGAG TCACGCTGTT  
51 CAGGTTTCTC ATTAAGAGGA TTGGCAGTGA AATTGCCTTC CAAAGAACTC  
101 TGCAGTGGGA TGTGGCACAA TTCTGAGAGT TGACTCTGAT GCATTCTTC  
151 AGGTTTTAA CAGTATTGTA TTATAAACAT ATGGATATTCA ATTGAGACA  
201 ATTTTTATTT TTCTCCCTGG GTAGGAAGAA CCACTAAGTA AAGGGCAAGC  
251 TGGGCTTGCC TGCTCTCTCT GTCCAGTTCT ACATTAGTCC AGTCTGCACA  
301 GTGTCCCAGT CTGCCGTAA WCACAAATTG TGGTTCTTGG GTTAAGAGTC  
351 ATGTGTTTTC CAGACCTTGA ACTCTCTACT GAGCAGA

ug66rcon

1 GGAATTCCCC GGCTCGAGCN NGCCGCTTTT TTTTTTTTTT TTTTTTTTTT  
51 ACCATGCAAC AAAACCTTA TTAACATTAA TTAACAGAGG TTCAGCTATT  
101 ATTGAAACTT GTAATTCTA AACTAAATT GGGGCAAGTG GCTAGAGTGC  
151 AGAGTAATGC CATCACTGCC CACTGGGAAT GCAGACCGAA TAATTAATAG  
201 CCANNNCNNC AGACGGAGAG ACCAGGTGCA AGGTCGACTC CTTTCNRGAW  
251 GGTTGTAATC AGAGAGAGT

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ug67rcon

1 GGAATTCCA GAGGGGGGAT CTCATCAGGA AGGCGATGAG GATGCCCTGC  
51 GCATGGAAGA GGTGGATTAA AGCCTCCTGG AAGAAGCCCT GCCCTCTGTA  
101 TAGTATCCCC GTGGCTCCCC CAGCAGCCCT GACCCACCTG GCTCTTGCT  
151 CATGTCTACA AGAATCTTCT ATCCTGTCCT GTGCCTTAAG GCAGGAAGAT  
201 CCCCTCCCAC AGAATAGCAG GGTTGGGTGT TATGTATTGT GGTTTTTTG  
251 TTTGTTTAW TTTGTTCTAA ATTAAAAAGT ATGAAAATA AAGAAGATGC  
301 AGTTTTATAG ATTCCACCA CACTGGCGGC CGCTCGAGCA TGCACTAGA  
351 GGGCCCAATH CGCCCTATAG TGAGTCGTAT TACAATTAC TGGCCGTCGT  
401 TTTACAACGT CGTGACTGGG AAAACCTKGC GTTACCAAC TAAWCGCCT  
451 TGCAGCACAT CCCC

ug68rcon

1 GAATTCCCGA ATGGCATGAT ACTGAAGCCC CACTCCACA AGGATTGGCA  
51 GCAGCGAGTG GACACTTGGTTCAACCAGCC GGCGCGCAAG ATCCGCAGGC  
101 GCAAGGCCCG GCTGGCGAAA GCKCGTCGCA TCGCCCCCTCG CCCCAGGTCC  
151 GGCCCCATCA GGCCCATCGT GAGGTGCCCT ACAGTGAGAT ACCACACCAA  
201 GGTCCGGKCT GGCAGGGGCT TCAGCCTGGA GGAGCTCAGG GTGGCTGGCA  
251 TCCACAAGAA AGTGGCTCGC ACCATCGGCA TCTCTGTGGA CCCGAGGWGDG  
301 CGAAACAAGT CCACGGAGTC ACTGCAGG

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ug69rcon

1 GGAATTCCGG ATCTCTTCTG TGTTCCCACT ACTCAAGCAC CGAGTGGCGT  
51 TCTATGGCGT CCGCCTCGGC TCAGCCCGCG GCCCTGAGCG CGGAGCAGGC  
101 CAAGGTGGTC CTGGCGGAGG TGATTCAAGC GTTCTCGGCC CCAGAGAATG  
151 CCGTGCACAT GGACGAGGCT AGAGACAATG CGTGCAACGA TATGGGCAAG  
201 ATGCTGCAATTGTGCTGCC CGTAGCCACA CAGATCCAAC AAGAGGTTAT  
251 TAAAGCCTAT GGCTTCAGCT GCGACGGGGA AGGTGTCCTT AAGTTGCC  
301 GCCTGGTCAA GTCTTATGAA GCCCAGGATC CCGAGATTGC CAGCCTGTCA  
351 GGCAAGCTGA AGGCCCTGTT CCTGCCACCC ATGACACTGC CGCCCCATGG  
401 GGCTKCTCT TGGAAAGCACG TBTNGCAGCC TYCTGAGATT BGTTCTCGTA  
451 TGTGTCCTG CCTGCTGTTG GARGCCGGCC CTTGTGTTCC AGAGGRTAAC  
501 AAATGTACT GTGACTAAA AAAAAA

ug70rcon

1 GAATTCTAAC TATCTAAAAA TATGAATGGA TAACCAAAGT ATTCCAAACG  
51 TGGCTATTCT GATCCACCGT TTGTTTTCT CTAAAAAAA AAAAAAGTAT  
101 GTACAGAAAT TGTATAAAAG ACTTTGTGAA TTCAATGAGA GTTAGCTTCC  
151 AGTCTTCACA TCCCAAATGC TGGGTTACA GTTTGGCTC CTTGCATAT  
201 TTGCTGTAG AATTAAGACT CATAATTTT GCCTGCTAA CAGAACACAC  
251 TTTAAATTAT GAAAAGCCCT CAACATATAC CAAAGTAAAA GACAGCATT  
301 TGAAATTAGC CAAGGCCAAC ATGATTCTGC TCTCTGGAAC CAGTGTACTC  
351 TAGTGAATTT GGTGCTGTG GTGAGTGAGA AACGACAATG GGAAATGTCT  
401 ACTGTTGAC TTTGAAATC AGATTATTG AGTGGTGGCT GGACTTGGGG  
451 ATGGGTTCAA TCCACCATTG YCTGGCACAT GTTAATTACT AGGTAAAGGT  
501 CAAATACAAT KTHAGACCTA AAGCCACAGG AGGAGGATGC AAAACGTTCA  
551 ATTCCAAAGA GAACAGTTW GWGTTCAACA ACATGGGACT TTWCCTAG

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ug71rcon

1 GAATTGGAA TGGTGGCGCT GTGCCGTGA GCTTCCGAAG TTAATGGATT  
51 GTTCTGGCTG TGACGAACAG GATGACGGTG TCAGGCGACT CCAGCCAAAA  
101 GCTTGCAAA GTGGCTCGAG TCACAGTACT CTGATGCTGA GGCAGGAGGG  
151 CTCCCAGTTT GAGTCAGCTA GGGCTCAAAC CAACCCAAAA AAGCCTGCCA  
201 AGTGAAAAAAA GACACTTCC AGAGCTGTTG CAAGGTGCAG CTGGCAGCAC  
251 AGCACAGCTC AGCCCATCCC AGCCCAGAAG GAGCAGCGCC ACCCACAGGC  
301 GCAGGGAGGA AGTAGGAAGG CTGCAGGGGG CAGGCAGCTT TCCCTGGGAC  
351 AAAGAAAAGG AACATTGGT CTCTCAGTGT CTGCTTTCT AGATCCAAAT  
401 ACACAGTACN CCTTGCTGG TGTTTGT TT TGAATTAAAG AATATTAAAG  
451 TTTGGGGAA TTCACCACAC TGRC

ug72rcon

1 GAATTCGTCA ATAAGGTATA GGCTACACCC TTCTCACCAAG CTCTCCTGT  
51 CCGGCCAACATC CTGTGAGTGT GCGTATCAAT GTCCCGTGT ACATCATAGT  
101 TAATGACTGT CTTAATGGAA GGAATATCCA GACCACGGGC TGCAACATCA  
151 GTGGCCACCA GGACGGGGAT GTCCTTTTC TTAAAATCTG AAATAACCTT  
201 GTTTCTTCG CTCTGATCCA TGTCCCCATG GAGCAGACCA AGATTATGAC  
251 CCTCCTGCTT CAGGTTACTG GCTAGCTTT CAGCATTGGC TTTCTTAGTA  
301 ACAAAACAAGA GCACACTCCC CGAGGAAGTA AACTCCACCA GACGCCGAGT  
351 CAGCCAGTTC CATTACTKG GTCCGGAATG GAGAATYTCC ACAATCTGTG  
401 TCACATYTT

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ug73rcon

1 GGTGACACTA TAGAATACTC AAGCTATGCA TCAAGCTTGG TACCGAGCTC  
51 GGATCCACTA GTAACGGCCG CCAGTGTGGT GAATTCCCCG GCTCGAGCNG  
101 CCGATTTTT TTTTHTTTT TTTTTCCAA CTTAAAGGCT TTATTTGACA  
151 CAAAATACAA TATGGCTGCG GGAACACCAA ACTCCAAAAA CAAAGGAACB  
201 AAAAAAGGAC CATGGTTCTA TCTAATGTAT ATTAACAGG AAGTCACTAG  
251 ACGAGTAACA GATGGGTACN CCTTGCAGGA AAGTCTTCC TAATKCCCAT  
301 ACTTCTGGAA CTCCCCTCT CTGTTGTCCA A

ug74rcon

1 GGAATTCGTT TTGGAATAAC TGGTCAACAA AAATCAAAAG ATGTCTGGGG  
51 GGTGGGGGGGA GACTGCCTGG CAGTACAGGG TGGGGGAGAA ACTCCATACA  
101 ACAAGACAGT GCAAATCAGC AGGAAACTGC ATGTGTGCAC TCCAGACAGC  
151 CAATCCAGGA GCATGCTGTG CATTCTGGAA CCCTCCAGAT GAGTGCAGAW  
201 WTDTGGAAT GCCCCATGCA TTCACCTTA ATGCAACTGC ACCAGCCCTA  
251 CTGTGAGTGA TGTGATCTCC CTTAAAAAAC CACCCACCAT CATCACTGAT  
301 TCAATTATNN YYGCAAGTTG TATCTCAAG GACGGAAGCY CTGAAGTGAC  
351 CATTCACNAD CTTATAATT ATA

ug75rcon

1 GGAATTCGTC TACAGCAACC AAAGAGATAA CAACAGTAGG GTCTGAAATT  
51 TCAAGGGCTC TGGGGTTCCA GGCCAGTATC ATTACAGAA GGGGATGGGG  
101 AGGAGGGCTC CAGAGGCTGC CAGGCTAAGG CTATACAGAA GGBCTCCAT  
151 GAAAAGAAGC TTTATGAAGT TTCTCCAGAA ACTCAAATYT GGAGATATTT  
201 TTAAAATNNC TCAGGGCTGTC CCAGCAGAGA ATNCCTGTGA TTATKCCTGA  
251 GAACAAAAGG RGACAGGCCT CCTCCTGTGT GGGAGCTGTA CATKYCTCA  
301 CAGGTTGTCTT

51/472

ug76rcon

1 GGAATTCCAG CCCTACATCA AGAGAGCCGC AGCCACCAAG CTTGCTTCAG  
51 CTGAAAAACT CATGTATTTN NNMMCTGACC AGCTGGGACT GGAGCAAGAC  
101 TTTGAGCAGA AACAGATGCC ANAHNGGAAG CHGCTGGTTG ACRGTTNMT  
151 TCTGGGCATT GATGTTAGCA GGGGCATNNA HCHGGAACHT CGATGATCAG  
201 CTCAAATTG TCTCCAATCT CTACAATNAN CTTGCAAAAN CNAAAANNCA  
251 TAGTGGTAGT NCTGACTAAG TGTGATGAG

ug77rcon

1 GGTGACACTA TAGAATACTC AAGCTATGCA TCAAGCTTGG TACCGAGCTC  
51 GGATCCACTA GTAACGGCCG CCAGTGTGGT GGAATCGGG TAAGCACACT  
101 AGCAAAAAAA ANAAAAAAA AAAAAAAAAY NCAAACAAAA GAGTCTTAGA  
151 GGAAGAATGA AGAAAACATA CAATACTTTC AATTGAAAGA CAGATGCACA  
201 ATACTTAAC ATATGCCAAA GATTAAAGGG AAAAGATTAC AAAATTATAT  
251 CACTGCAAAT TTTGTTGCTG TGACAAATTAA AAAGCAGTTC ATACCAGAAA  
301 CACACACAGG TGCAGACCGG TGAGCACACA GGCACCATGC ATTGACAGTG  
351 ATGTTGATTCTTAAAGTAA TGAGCCNTGG

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ug78rcon

1 GGAATTGTC ACTGAGTCCT CTCTTCATCT ACATTGTCTA CCAGCCACTA  
51 TGAAAGCCTG AGCCCGTACT TGTCAACTAT CCAGGAGGAT TATCCCACCT  
101 TGTTACCTCA CCTCTAAAAG CAGATAACAG CCTGCTGCTT GTTTTGTA  
151 ATAAAGTACT ATTCAAACAG CCACACATAC TCAATTAGC TATTGTCGGT  
201 GATTGCTCAC AGACAAGACA AGTTGTTGAG ACAGACAAGT GTGGTCACAA  
251 AGCCTAAAAG TATTTACTAT TTGGCACTAT AGAAAAAAATG AGACCGCTGG  
301 CTTTATTAG AGAATGAGAA GCCGTTCGCT AACAGGGATG ATGATGATGA  
351 GTGTGAGGAA GGAATAACTT CCAACMGTG TGACAGCTTA TTTTATAGAA  
401 AACCGTCCA GCAAATTAT WGTCACTGTC CATTCACTAA CVGCTGGTCA  
451 TGTTCATGTT CCCAGTAGCA GGTCACTCTGT CAATAAACTC CTGATAACCCA  
501 GAGCTGTTYC CAGTYCCACT CHAACTTAG CACTACTGTT TACCTAGGCC  
551 CTCACCCT

ug79rcon

1 GGAATTCCA TTCAGAAAAA AAATTCAGACTGAAATGACT AATCCCATAT  
51 CTCATAACCC CTTCAACCAG TAACACCCCC CCCCAAAACC CATTGTCTTC  
101 AGTGTGTCAG CTCACTAATC TAATGATCAG ATCAATCTAT GAACTCCACA  
151 ACAAAATAGC TACTGAGCAG CCCTTCCTGA GAAGTAAATA TTCTAGATT  
201 TGGGAACCAAG TGCCGAAGAC AGAATGCTTA CTGTCTAGAA GTTTCAC  
251 CCTTATGAGG GGGTTGAGAA CCAAGATGAC TATTAATGTG TGATGTGATC  
301 CMATAAAAGCTGKGGAAA TCAGGTTTG AGGAGGGGAA TAGTTGTGCA  
351 AAAAAAAAAA ATAT

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ug81rcon

1 GGAATTGCA GATTCTTT GGACAGTGAT GGGAAAGAGTC TCATCTGTAA  
51 AGTGAACCTA TCAAAGATCA ATAGCAAAGT CCTGAAGAGT GGTCAGCTGG  
101 AGGATACATG TCTGGTAGAG CTCTCACTGG CCCTGGACCT GCGCCTACAG  
151 GTCAGCGTCA GCAGTTGGCA TCTGACGGCT GTCACTGTGG ATGTGTGGAC  
201 ACTCCATGCT GAGCTGCATG AAGGTCTCTT CCATAGTCAG CTACTGTGTC  
251 ATGCCCGAGG CCGGATTCC AAATCAGTTT CTTGTTCAGA TTTGACTGAG  
301 AACTTGCTG AACCAACTCT GCCTGGGCCT ATACCTCCTC CAGCGGCTGC  
351 CAGACCAAGT CAAGGTGAAG ATGGAGAACAC CMAGTGTGTG TGTTGTCTAT  
401 GAACAGTCAA AACACBGCATTGACTKGAC ACTGAAGCTG CTGCAWTTTC  
451 CTGTACCACC GTGATGAGGA CCAACTGCCG CTTCGAAGCY TCACAGCAAA  
501 CTATGATATB GCACACGA

ug82rcon

1 GGAATTCCA GGGTGCAATT GGTAGTCCAG GACCTGCAGG TCCCAGAGGA  
51 CCAGTTGGAC CACATGGACC TCCTGGAAAA GATGGAACAA GTGGGCATCC  
101 AGGTCTTATT GGACCACCAG GTCCTAGAGG AACAGAGGT GAAAGAGGAT  
151 CTGAGGGCTC GCCAGGCCAC CCTGGACAGC CAGGACCCCC TGGACCCCC  
201 GGTGCCCTG GTCCCTGCTG TGGTGGTGGT GCTGCTGCCA TTGCTGGAGT  
251 TGGAGGTGAA AAGTCTGGTG GCTTTCACCT ATTATGGA GACGATCCAA  
301 TGGATTCAA GATCAACACT GAAGAGATTA TGTCTTCACT CAAGTCTGTT  
351 AATKGACAAA TAGAGAGTCT TATAAGCCCT GATKGKTCTC GAAAAAAACCC  
401 TKCTCGGGAA CTGCAGAGAC CTAAAATTC TBBCACCCCG NDCTCTAGAG  
451 TGGAGAATAC TGGNGTGATC CTAACCAAGG CTGTGAGATTGGATTGCTA  
501 TAAAAGTATT CTGTGACA

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ug83rcon

1 GGAATTCCCTC TGTATAGCCC TGGCTGTCCT GGAGCTCACT TTGTAGACCA  
51 GGCTGGCCTC GAACTCAGAA ATCCGCCTGC CACTGCCTCC CAAGTGCAGG  
101 GACTAAAGGC GTGTGCCACC ACGTCCAGCC TTGTTGTCT ATCAGTTCTA  
151 CAGCACTCAA AGATAACCTT TTGAAATCAA TTTGCTATTT GGGTGACACA  
201 ATTCAATCTT CATTCAAGCAA CTGCAAACCA ATTGAGTTCT TCATGCCAAC  
251 TCAGAAATAC ATGATTACTA GCTTTACAA GCTGAGCCTC TCTACAGCTG  
301 CTGGCAAAAA TGCCCCACAG GGGAGGAGGT GATTTAAAA CCTGCCATT  
351 AAACTTATCT AGTCTWAMCA GTAGTCAGAG GGAAATATAC TTGAGAACAG  
401 GGTAAAACCA GCTTGGCCA CATTAAGTTCA ATGTTAGTGT AGAAAATTAA  
451 AAATCACMAA CATCAAATCT CAGTCTACTG TGCAAATWTAT AAAGCCGAAT  
501 TTTACCATTAA TAACTCAGTT CTTTGGAKT CAATCTCAGC AACATTTACT  
551 AATAA

ug84rcon

1 GGAATTGGC GCCTTGGATC CATTCCATC TGGTTCTKCT GAGACGCGTN  
51 TNGCTCCCTC CCCGCAACAG CCAAAATGGT GAAGCTGATC GAGAGCAAGG  
101 AAGCTTTCA GN>NNNVHCCT GNCGCNGCG GGAGACAAGC TTGTCGTGGT  
151 GGACTTCTCN NCTACGTGGT GTGGACCTNN CNAAATGATC AAGCCCTTCT  
201 TCCATNCCCT CTGTGACAAG TATTCCAATG TGGTGTTCCT TGAAGTGGAT  
251 KGTGATGACT GCBRGGATGT

ug85rcon

1 GGAATTGTG ACTTGTCCAG AGTCTCAGCG CTGATAAAGG AGAAGCTGAA  
51 AGTCCTCATC TCCAGCAGCT TKGCCTGCTT CYAGAGTCTG GGTTCTGAA  
101 ACTGGGAAAG GAAATTCCT TCTGACCAGA AGAGTGGAAA GGGAAATCTGT  
151 TTGAACTGGA CAGAGTGGGC AGGGTKGGAG AGGAGA

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ug86rcon

1 GGAATCGACG CCCAGGCTCC ACAGGTGCGA GCGCTTGTG TAGATGCTGG  
51 CCTCTTCACT GAAGGCCTCC ACCACCTCTG GNBCCATGTA CTCAGCTGAC  
101 CCACACGGGG TGAGCAGCTC TGGTGTGGAG ATGGGGGAGC AGTCTCCATT  
151 GAGTTTGATA CCACTGCCAA GGTGAAGTC GCAGATCTTC ACTGGCGAGA  
201 CCTGGTTGGG GTGCTCACAT AGGATGTTCT CTGGCTTAG GTCCCTGTNG  
251 GCGATGCCTT TGTTATGCAG GAAGTCCAGG GSACTGGCCA CGTCCTGTAC  
301 TACCACBSBG GSCTCCAGCN CGTTAAAGTG GCGCCTTCTA TGGATGTGGC  
351 TTAGGATGGA TCCGCCACGC ATCTTCTCAA ACACCAGGTA GAAACGGTCC  
401 TCCTCCTCAA AGADCTCAAT CAGTTCTAGA ACATTCCYAT GTCCCCSGC  
451 AC

ug87rcon

1 GGAATTCCA CGAACGCTT GCCACACTCT GCACAGACGT GGACTCTGGG  
51 ACCGTGGGTG TGCAGATGCT TTCTCATAGC AGAGTTATCC CTGAACATCT  
101 TTGTGCAGCC TTTATGAGGG CAAGCTAATT GTTCTGGAG CATCATCTTC  
151 TTTAATTTT CTTGGCTTCA TTCTGGAAA TTCTGCCAGT BBCTTAGGGT  
201 CTGAGAGGTC AATTGGCCAG GTATCCCTYC CAGGDGGGAG TTTCTTBCC  
251 GTCATATATT CCAGAATWAT CAGGAGGTG

ug88rcon

1 GGAATTGAA CGYYGGCAGT AAAGCAGTCG CTGCTGGACA AGGTCTGACC  
51 CCCACCACTG GCCCACCCBS TTCTACCACA AGGACTTBNC CTCTGAAGGC  
101 CAGTGGCTAC AGGTGGTAGC AGGTGGGCTG CYCTCACCCG TCCTGGNNTC  
151 CCCCCCTCCA SCCTCCCTTC TCAGTCCCTA ATYBGCCTCT CCCACCCCTCN  
201 CCCCAABCAT TBCTTCATCC ATAAGTBGGT CCCTTG

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ug89rcon

1 GGAATTCAAGA ACCTGGCGGA CGAGGAGCCC TGGGCAGTTG GTATGGCAG  
51 TACAGGAACC ATTCGACTG TCTGGTCACC AAGTTAAGA GCAATCTAAT  
101 GAAGTGGGGG ACACTGTAAG CTAACTGAAG ATGAATGTGT GGKGGCTTT  
151 WCTCAACAAAC CATTCCCCTA GAGTCTAATA TAAAAGTAGA TTTACATTG  
201 TGGGTAATCT GAAGCTGGTG ATTTCTAGTG CCTTGGTAA TAATCAATAA  
251 CNCAGCAGTT GCGTGGCAGA KKGATCCMCG CATGGATAAA TACAAATATT  
301 AAATTAGCAT AATTTTTAA CTTTTGTAC AAATATACAT GCTTTTTNC  
351 TTTTCTCAT CT

ug90rcon

1 GGAATTCTTT TTTTTTTTTT GTTTGTTTT GTTTGTTTT GTTTGTTTT  
51 TGCTTTAAC ATAATCAGCC CAGAGCATT TTTGTTAAC AATGCCCTGT  
101 TTTCATGAAA GTTCATAACA TCAGGGTTTT TAAAAAAAAT TAACTAAGGT  
151 GCTTTAGAG TTGAATCTGT GAGTTACCGT CAGCACACTA GTGGGCTAAG  
201 AGTGAGCAGG GTGTTTCAG AGAAACAAKC KKCYCCCCA NNNCACAAC  
251 TATCTTTAA ACTTAGAAGT AACCTGTTGT HCCCCAGCCT GCYCTTGTC  
301 ACCTGAGTKC CCAGA

ug91rcon

1 GGAATTCAAT AGATATTGC TAGACTTACC AATTCAAAGT TTTTGTCTT  
51 CCTAGGTTGT CAGGGAAAGTA TCACTACTAC YCTTCAGTTC AGAATTGCTG  
101 AAGTAACTGA TTGTYTGATG ATTTGTGAAC ATGATCTAA CTATGTGACT  
151 AAAATATCAG ATCATTACAA TACTKCTCAA TTGATGGATA CATGTTGAAT  
201 ATCAGTGTAT WCTTGATGT TTTTWATTAC TTKACYCTTT TTTAAACCT  
251 A

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ug92rcon

1 GAATTCCGAG CGGGCGAGCG CCGGGAGGGG GCCGGGAGCA GGGCAGCTCG  
51 GGAGACCGGA CGGTAGCGGC GGCGGCGGCG GCGGGCTCGG CGCCCTCTTC  
101 TCTGCAAGCC ATGTTGCCA AAGGCAAAGG CTCGGCGGTG CCCTCGGACG  
151 GGCAGGCTCG GGAAAAGTTA GCTTTATACG TCTACGAATA TTTACTGCAC  
201 GTAGGAGCAC AGAAATCTGC ACAGACCTTC TTATCAGAGA TTCGATGGGA  
251 AAAAAACATC ACACTGGGTG AACCNCTGG GTTCCTGCAC TCGTGGTGGT  
301 GTGTATTTG GGACCTTACTGTGCAGCTC CTGAAAGG

ug93rcon

1 GGAATTCAAC AGAATACAAG AAATGGAAGA GAGAATMTAA RGTGCAGAAG  
51 ATTCCATAGA GAACATCGAC ACAACAGTCA AAGAAAATWC AAAA

ug94rcon

1 GAATTGAAA AAGGAAACGG AAAAATTCTA CTTCCGGGTC AGATTTGAC  
51 ACTAAAAADG GAAAATCAWC AGAAACCTCT ATTATCTCTA AAAAGAAAHN  
101 CCAGAACTWC TCAGAGTYHH CTAACTATGA CTCAGAGTTA GAGAGAGAGA  
151 TAAAAACCAT GAGCAGAATT KGGGCTGCCA GAAAAAGTDT TCCAGAGAAA  
201 AAAGAAGAGG ACTCTTCTGA AGATGAAAAA CAGGGCAAAA AAGTAGTGGA  
251 TAATGGAGGG CATGAGAGGG CGAAGACMAC MCMAGAAGGG TCATCTGCTG  
301 ATGACACTKG TGACACTGAA GGC

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ug95rcon

1 GAATTCATGT CAAACAGGTA GTCATAACAC TCACACATGG TTTTDCTT  
51 CTCCCATGTT TCTCCCCACA CGTACACCCC ATGAYNCYGG ACAAGAACYG  
101 CACAGGAGTC TKGGTACTCA TTCATGGCAT GAGCCATCCT TTCTTKAGA  
151 TCCTTCTCTT CAGGAGTGTCT CTCATAAATH GGTWCCACTA ACATATCATC  
201 GTATCTGTAA TAGCCTCCTG AGGTACATT CCTTATTCCCT TTGATCATCT  
251 CTTGATGTGT AATTTAAAC TCCTGTCCTG GAAACAGAAG GGTAGCCATC  
301 ACAGCAGCTT TAGAGTGGGT ATGAATCACT GCGCCAGCTC CCTCTCATGG  
351 TATAAGCATT CATGAAAAGA GGAGTGCCT GGCTTTWTT CAGCTTCTTA  
401 GA

ug96

1 GAATTCGTGA TCATGAAGCC TAGTGCGCTC ATTACACAAG GGGGGGGGAK  
51 GKCTCAGGAC CTCTCCACCC CGGGAGTCAT TTCCCTGTGT TGCTGTGGAA  
101 CTAATTGAA AAGTAAAGTC CAAGGAAACA CTGCTCTGTT TCTGAGACAT  
151 GAAGAAATGA AAACACAAGA CAAAGCAAAG AGCGTGCGCA TTCTCTGGCC  
201 CAC

ug96rcon

1 GGAATTCGTG ATCATGAAGC CTAGTDNNYT CATTACACAA GGGGGGGGGA  
51 GGDTCAAGGNCTCTCCACCC NNNAGTCATT THCCTGT

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ug97rcon

1 GGAATTCCGA AGCTCCGCC CGGCTAAGGG GGCCAGCATC CTGGGGCCTG  
51 CACCCATCCT GTACAAGATA CTGCCAGAG GGTCCTTCA AGGCCTGGC  
101 AGTTCAAACA GCCACACTGG ACAGACAATA AATAATGCAG CTGCTCTG  
151 GACAGCCTCC TGTGACCTAT CTCGTTCGA GCCACTCGAG TTTCGGCCAG  
201 CTTGCTTGT TCAGAACGCC AAGCCCCGGC TGGGTTTCTG GCCACGTGGG  
251 TACTATGGTC CCACTGAGGG CCAGTCTGAG CCTGCCTAAM AAAGGCTAAG  
301 TAAGGKGGCT ATCCTGAAGA GAAWGCCCCA CTTACTTTGA AA

ug98rcon

1 TGAATTCCGC CAAACGACTC CTGCTGGTCT CAACCCCGTA CTGCCGGGG  
51 CAACTAGCTT TTAAACGCCT TTCTGGCGG TCAGCTACCA AGTGCCTGAA  
101 GACCTGGTGT ATGCAGCGGA GGGGCAAGCT GCCTGGGCCA CTTACGTGGT  
151 AGGTGCCTAC CACGGGGACA TAGGGGCTGG AGCGGCAGAA TTCGCTTATA  
201 CTGGTTGGGA GGGTGGGAGT ATCCACTGTG GCTAGTCAC ACCCTGCTTC  
251 CCCTCCCCAA CAAGCACAAAG GGGTGTGAGC CTCAACCCTA AACAGGCAAG  
301 TRTATRATCG TTTTACTCTG GGCACACCTG AWTATGGTTT

ug99rcon

1 GGAATTCCGA GCGGCCGCTT TTTTTTTTTT TTTTTTTTAA AATCTCAGTA  
51 TTATTTAATG AGAACGCCCT ACCCTGCCAT GTACAGGGTG CCCCGCACTC  
101 GCTACTCACC CACCATGTTA AGGAAAAGCA CCAGGAAGTA CAGAGGGTCC  
151 TCATGGCTGC TCTCCAGAGT TATAATTAA AGGTATTCT CCATGGTAAA  
201 ACTACAATAG TTACATACCA AGGCAAACT ACATGCTTAA CATACTCCCA  
251 TGAAAAAGAA TTCAATTGAG TCTAATCCCT GATGCAAGGC ACTTCAAAGC  
301 ACCCGCGATA AAATGCCAT GTAAACAGCA GTGCAGTTGC ACCTTBCCAA

60/472

ug100rcon

1    GGCGCGGATT CTTTATCACT GATAAGTTGG TGGACATATT ATGTTTATCA  
51   GTGATAAAAGT GTCAAGCATG ACAAAAGTTGC AGCCGAATAC AGTGATCCGT  
101 BCNGCCCTGG ACCTGTTGAA CGAGGTCGGC GTAGACGGTC TGACGACACG  
151 CAAACT

ug101rcon

1    GGAATTCCGC TTGACCTGCC TTGGGGTATG GGTACTGCTT TGCTTGCCCC  
51   TACAGTGCTC CAGTAAACCG AGGTATGATC ATGTTAGGCA CCAACGAGTC  
101 ATTTATCATC AGGAAGGCAA GTCTCTCTCC ATCGGGGGAC CACCAGTGGG  
151 CGATATGAGA ATGCAGAAGT TCTTCTAGAA TAAATGAGTG TTATTTACA  
201 TCAACTTCAT ATAACCAGTC AGCAATCCCA TTAAAAATAA TGCCCTCCTT  
251 TCCTGAAGAT GTTAGTCGTA AAGAACTGCT CTTGATATCA GGTTGATAGT  
301 AGATATTGTT TTCAAAAATA TAAATCAGCT GCTGTCCTTG CACACCCAG  
351 GGCGCCATAC TGCAACACTT GAGTTCTCAA CTTCTGGGGG ATTHAACCTC  
401 CACAMYTTCC C

61/472

ug102rcon

1 GGAATTCCCTC TCTCTCTCTC TCTCTCTCTT TTTCTCTCTC GCTCTCTGCC  
51 TTTCTCTGTC TCTACTCCCT CAACTCTCTT CCCCATGCCG TGAATAACCT  
101 CTATTCTATA CTACATGACT GGTCCCTCAG GGGGAAGGGGG TGCCCTAGCA  
151 TGGGCCCGCA GAGGTACCCC CTTCCCCACA CCTGATGGCA CCAAACATAT  
201 TCCTTCTCTC CTTCTCTCCC TGCTCATCGC TTGAGGTAGC ATGGTTCTCT  
251 CTGGGAAGCT CTGGGTGCTG AGTCAGGGCT CTGCTCTGGC CCTCCCTGA  
301 AACTCCATCA GAATCTACAT GGCCCTGGAC TGTTGCAATT TGCTTCTTGG  
351 ACCCTAACAA GACTTTAAGT TYCTYGAAGG GCAAGGTTTC TTCCCACTAA  
401 ATCCAGCACA GGGCAAGACA CATAGTAGGT GTTCCACAAG CACCTAATGA  
451 GTGCTCTGGG TTGTTGGGAT TTTTTTTGT TTGTTTGTGTT TGGTTTGGG  
501 KTTTGTGTTGTT TGTTAGTTT GTTTAGYNNG TTTTGCAACA AKGTCTCAAG  
551 TGACATA

ug103rcon

1 GGAATTCAAT CATAATTATT GGATCAACAA ATCTCCTAGK NCCTTTACC  
51 ACATACATT ACWCCTACTA CCCAACTATC CATAAATCTA AGTATAGCCA  
101 TTCCACTATG AGCTGGWGHH GTAATTACAG DCTTCCGACA CAAACTAAAAA  
151 WHYTCACTTN CCCACTTCCT TCCACAAGGA ACTCCAAATT TCAMCTAAWT  
201 TCCAAATACT TAATTAATTA TTGAAACAATT

62/472

ug104rcon

1 GGAATTCCAG ACTTGTGCTT CTTGATGTCT GTTTGATGGG AGCTACTGAC  
51 AGGCTTAGGG CTCAACCAAG TGGCTTGTAT TCTGAAAACT TCTACCTGGT  
101 TATGCATATA ATTAGTAAGA CACTTAGAAT GAGCCTAATG TGAGCCTGGT  
151 GGGTGGCTGT CCCGCTGAGA AAGGCCTTC GCAGTTAGA GGCATCTCG  
201 TTCTCTCCTT TATAGGTTGC CTACATAGAG AACTGCTGTC CTTTCATACT  
251 GCTCTGTTGT AACCGTTTA TCTTCAGTTT CATTCTTGT ATCAAGATCT  
301 TAAGCAGCAG CAGTTCTCAA CCTGTGGGT A TACGCAACC CCTTGAAA  
351 GGTTGAATGA CTCTTCCC GGGGAGCGTA TATTAGATTA TTTACGTTAC  
401 GATTCATAGC AGTAGCAAGA TGACCWGTWA TAAAATATT TTATGGTGGG  
451 GGGGCCACTA CATCARGGG CGTACATTAA ATGGTTGTAA CATTWGCAAG  
501 GTTGAGTACT CGCTCCATCT TTAAAACCA

ug106rcon

1 GGAATTCCCT CCTTTGTCTG CAGTTTTCC CCTTGACATT CATTCAATTCA  
51 TTCATTCAATT CATTCAAGTGA AGAGCTTCGT GTYCAGTATT CCAGACTCCG  
101 ATGAAAHTYG AAAATCGATY CTTCTCTKKT CTAATTATTG TCTAATCA

ug107rcon

1 GGAATTCGCG GGTCTAAAAG TTCCCAACAC TTGGAGGGCT GGGTGGGGC  
51 CGAAGCTAGG GCTGTGGGAA CGACAACCTC TGGGTGTATG ATGTTGATGG  
101 TGAGCGTCTG CTGCACACCT ACTGTGTGCC AAGCACTTGT GCGTGTCTA  
151 CATACTAAC CTCGTGACCA TGGAACHVGC TCATTTCCC AATCCGTCGA  
201 CCGAGGAAGC AGAGACTGGA TGTTTGGCC AGBBTAGAGG GCAGTGGGG  
251 TTGGTTTGGG CTGAGGTCTG CATCTTACCT TTCTGAGTTG CAGATTCGA  
301 AGAAGTATAC TCTGATCTGA GCACGGCAGG AGGGCAGAGG AGGCCAAGCG  
351 GCAGGCATGG GTGCACCCTA CTGCCATCTG GGCCGGCCTG GAGACCAGGA  
401 GGCTCTGAAC GTACACACGA ACGCG

63/472

ug108rcon

1 GGTGACACTA TAGAATACTC AAGCTATGCA TCAAGCTTGG TACCGAGCTC  
51 GGATCCACTA GTAACGGCCG CCAGTGTGCT GGCGCGGATT CTTTATCACT  
101 GATAAGTTGG TGGACATATT ATGTTTATCA GTGATAAAAGT GTCAAGCATG  
151 ACAAAAGTTGC AGCCGAATAC AGTGATCCGT GCCGCCCTGG ACCTGTTGAA  
201 CGAGGGTCGGC GTAGACGGTC TGACGACACG CAAACTGGCG GAACGGTTGG  
251 VGGTTCAGCA GCCGGCNCTT TACTGGCACT TCAGGAACAA GCGGGCGCTG  
301 CTCGACGCAC TGGCCGAAGC CATGCTGGCG GAGAACATA CGCATTGGT  
351 GCCGAGAGCC GACGACGACT GGCGCTCATT TCTGATCGGG AATNCCCGC

ug109rcon

1 GGAATCTTCA CGTTACCCCTG GAAAGAGAGC TCCAGAGCTT GCATTTAAC  
51 TTCTGGGCAT CTCTGCTTCA ATGCCTTCT ACCAGTGGC TCTTTTCGT  
101 GTGCGGAAAC ATAAACCAGT GCACATCCA CATACTGCCA AGAAGTGAAA  
151 GGGCTTCATA AGGAAGATGG GCACCAGGGA GGACCCCTGGG CTTYCTCCTC  
201 GGACATGAGC TTGCCACCTG KGTATGC TCTGDAAGGT TTCTTCTGTG  
251 ACTGAGACTA GTAAACATT TATTCCCTGC AGAGATGAGC TGTCTKGCA  
301 TGGGGGGTGA CTTCACTAGA CAGGAGAGCC GACATGATGG CTTTA

ug110rcon

1 GAATTCTTA AAATCACTAA TCGACCTGHC GHCTCAGMT TAGACCACAT  
51 AGRCAACTTG ATTATTG

ug111rcon

1 GGTGACACTA TAGAATACTC AAGCTATGCA TCAAGCTTGG TACCGAGCTC  
51 GNGATCCACT AGTAACGGCH GCCAGTGTVG TGNGAATTHN CGCATCCACC  
101 AAGATGNGAA TWHNACATNC CTTGTGAATA TNGAATGGGN NTATACCAAN  
151 GGTNCTCGGN AWTGRRSC.T CTTTSCTCTT AGG

64/472

ug112

1 GGAATTGAA GGATGCCCTG CTGAATCAGC TGTGAGCTCG GGACGGGGCA  
51 GGTGGTGCTG TTGCAGGCAG GGACAGAAAT GCTGGGAGGA AGGTGACAAA  
101 TAGTGAGCTT AGGCTTCCCT CGGTAGTTA CAGCTGCCTT AACCTGAGG  
151 CGGAGCAGGG CATGTGGGTG GTGAACAAGG CAGTGGACCA AGCAGAGCGC  
201 TGCCCTGTGA GAAAGTGCAG AGGACAGTAC AGTGACAAGG ATCCAGAAC  
251 GGGAGCCTGA AGTCTTCCAC CGAAATGGCA TTTGGAGGAG TKKCTTCAGA  
301 GAAGCATTAA GAGGAAGCCA GTTGGACAAT TGGCCT

ug113rcon

1 GGAATTGAA GCTCTTTT GCAAGAGATG GTCATTAAG ACAGTTACAW  
51 CTGGTCACAC AATGCATAGG NCCACTGACC ACAAAAGTGT CAGAHCCAAT  
101 TAATATAT

ug114rcon

1 GGAATTCCCG GCTCGAGCGG CCGCTTTTT TTTTTTTTT AAGACTTAAA  
51 ATTGAATTAG TATTGTACA GAAAGGTGCA GGTGGAATAA CTCCCTCCGG  
101 CCTAGGATCA AAGTTATGCG GAGAATTCTT GATGGACCCT TCCCCTGCC  
151 CCAGTGGTGG CCCGAGTTGT TAAGTGCAT TGGTTAGAGT AGATTCCAGT  
201 CGGGTCATTG TGGTGGAGGA GTGGGGCAG TGGCAGGTAA GGGGGCTCAG  
251 TTGCTGCAGC ACTGGCTCCG GCTGGCTGGG TTGCTCTCCT GCAGATCCAC  
301 ACCTCTGGTT CGGCCCGGAG CCCCAGCCGC ATTCTGGGGCTCATTCTGG  
351 GAAGCTTCTT AGCTATTGCC ATGAAAATT CATTACGTT CATTGCAGTC  
401 TTGGCAGACG TCTCCATGAA GAGCAAGCTG TTGTCATCTG CATAGGCTTG  
451 TGCTTCTGA AACTCCACAG CTCTCTTGCT GGCCAGGTCT GCTTGTTC  
501 CCGCTAGTGC AATGACGATG TTTGGGGCTG GGCCTGCCTC TGTAACTCCT  
551 TCACCCAATT CTTAGCCCGT GCAAAGHTAT CTSBGTCGG TGATGTCATA  
601 GACCACA

65/472

ug115rcnlo

1 GGAATTCTTG TTTCCCTCCT GAGACACAGC CTTGAAAGCA GTCTCCTGCC  
51 TCAGCCTCCT GTGCAGAAAT TATAGATGTG AGCCACTGCA CCTGGCTTCT  
101 AAAACTTTG ACTATGTAGG GCTCTGTACT GTCATTCTT CTATATTCAT  
151 TGACAATGGA TTCCCTGGACC CCCTAAGATA TCAAAATCAT TTTCTGAAGT  
201 GGKATAATAT TTGTATATCC CCTATACCTG TAACACCCAA TACAATATAG  
251 ATGTCATGTA AACAGTTATT AAGCTGTCTG TCTAGTTAG GGTGGAACGA  
301 CAAGGAAAAA AAGGTATATT TAGCACAGAT GTAATTTW AAAAATGAAA  
351 TGTTTCAAT TTGTGATTG TTGAAGCTGT AGATGCAAAA CTCAMGGGAC  
401 ATTAAAAGTC AACTATATAT CATTGGGTGA CTGATCTTCT GGTCCATTAA  
451 AACTTTGAAT TCCCTATAAC ACAACTCAA GAGAACAYGA TGGAGAGCCT  
501 AGGTCTGTAT CCAATCAATC

ug115rcon

1 GAATTCTTGT TTTHHTCCTG AGACACAGCC TTGAAANCAG TCTCCTDCHT  
51 CADCCTCCYG TNCAGAAATT ATAGATGT

ug116rcon

1 GGAATTCTCC TGCTCTGGCT CACCTGTCT GCTCGGGGCT CCAGCTGATC  
51 TGTGCTGTTCT CGGGTAGCGC TGCTCACGTC GGGCAGCCTC CTGCAGCTCC  
101 CGCTCTCGTC GCTCCTCCTC CAACCGCTGC CGCTCCTCTT CGGCACGCCG  
151 CTTCTCCTCC AGGCAGCGGT TCTCTCTTC CTTCTCAGCT TTGGBCCAGA  
201 AGTTATCCTT GCCGACTCTC TTGATCTCAG ATATGGCATT GGTCTTCTGG  
251 TACACAGAGC CCACTGGGGC CTGCBGCCTA CATCCTGGAA GGAGGTGCTT  
301 TCCTTATGGA AGCTGTWGTT GGCCCCAGAG GCCTTNGCAA CCTTC

66/472

ug117

1 GAATTCTAG GAAAACCTCA AATGAAAGTA AATGTCTGCC ACTCACTGCC  
51 CTCAGCTATA ATCCAACCAG TGTACTTTCT TCTCATCCTG CAGACCAGAA  
101 CAAGTCCCAA AGCTCTGGCA ATATTAATAC AGCAAGACAA GTAACCTTT  
151 TTTTTCAAG TCTTGAGGAT GAACCAGAAG ACTTTAGTTT AAGATACCAA  
201 GTCAAAGTTG CACGTTAACCTGGACCACAG TCAGGGCCCCA GAHMVCTGGG  
251 AGTGTGGTTC ACACCTGTAA CCAGCACTCA CAGAGGACAA TGTGCCTGCT  
301 GCAAACCCAA GSCAGCTTKC ACTGGGAGTC TGACCACTGA AG

ug118

1 GGAATTCGCT GAGTCTAACAA AATGAGGCTT ATAGTTGGT AGGAGTTAAT  
51 AAACTTCTTA GTAATTATAT ATTGACTGTC TACTATTAT ATGCCAGGTT  
101 ACTCTGTGGA GATTATTGGC AAATCTAGAA GTGAAATTGC TGACTGGGTT  
151 TTTAATATAG TAAGGAAAAT GACATATACA CATAATAGTA TTACCAAGGCA  
201 ATCAAAGATA GATACTAATT CAGTGATACT TAGAATCAGG GGAGGCATTG  
251 CTTTTAATAG GTGAGGCAAC TGGGCCTTCA GTGATGAGTA ATGAGGAACA  
301 ATATGGRATT CCGTGCAGCA GAAAAGAAGG TATMGACATG TAGGTKAGGA  
351 AAACTGCMGC AGTGTTTAT

ug119

1 GGAATTCCCC GGCTCGAGCG GCCGCTTTTT TTTACTATTT TTATTAGATA  
51 TTTTCTTTAT ATACATCTCA AATGCTATCC CGAAAGTTCC CTATACCCTC  
101 CCTCTGCCCT GCTCCCTAC CCACCCACTC CTGCTTCTTG GCCCTGGCAT  
151 TCCTCTGTAC TGGAGCATAT AAAGTTGCA ATACCAAGGG GCCTCTCTTC  
201 CCAGTGATGG TTGACTAGGC CATCTCTGC TACATATGTA GATAGAGACT  
251 CATATCTACA TATGAGTCTC YGGGGGTCYT CGTTA

67/472

ug120rcon

1 GGAATTCCAT AAGTACTATT ATTTTATTAA AAATTTAAG TTGAGGCTCT  
51 AATTAGACAT CAGCCTGATT TCTTGAGTT CCACACACAC ACACACACAC  
101 ACACACACAC ACACACACAC ACACACTGTC TTCAGCAGTG AGACCTTACA  
151 ATCACTTCTT AGAAAACAAT TGATAAGTAG CCTTGCCAAT AGCCAGTGT  
201 ATTTGGGAT TCCATGGGAT TTCATGGAGT CAACATTGGT CAGCAACTCA  
251 ATTAGATGTA AGCCATTCCCT GGGACTGAAA GGTTCCCTG GAGAGGAAAG  
301 ATGTCTAGTT GGAGTACTGT TTCCCTTGTGTT GTTTAGTGACTCCATTAGA  
351 TTTAACATA TATGTATATA TTTAACAGAAG TTTCAACTGT AGTAGGTTTC  
401 CATATGGACC CCAAAANNTCTTAGTGCTAA CTGTCCCTCC CTG

ug121

1 GGAATTCCA ACTCCCACCGT GAGGGC TGTGCCATGG GCTCCTGTAA  
51 CCTTGCTCTG CTCTTCAACA AAGAGGACCA GTGGGAGGAA ACTTGTGGGC  
101 CCAGCATTCC CAGGCTAAGG AACTGGGGGG GAGGCCAGTTGGATGATCC  
151 CCAGGGTATT AAAACCTCAC TTTGGAGAAG AGGCAGAGCT GTGTTAGAA  
201 AGKCAGGKCA GATGTGGAA GAGCATTGCA ACTBCAGGG

ug122rcon

1 GGCGKTAGGC GAGCAGCGCC TGCCTGAAGC TGCGGGCATT CCCGATCAGA  
51 AATGAGCGCC AGTCGTCGTC GGCTCTCGGC ACCGAATGCG TATGATTCTC  
101 CGCCAGCATG GCTCGGCCA GTCGTCGAG CAGCGCCCGC TTGTTCCCTGA  
151 AGTGCCAGTA AAGCSCCGGC TGCTGAACCC CCAACCGTTC NNCCAGTTG  
201 CNTGTCGTCA GACCGTCTAC NMCGACCTCG TTCAACAGGT CCAGGGBCNG  
251 HAHCGGATYA CTGTATTNGG CTGCAACTTT GTCATGCTTG AACACTTTAT  
301 CACTGATAAA CATAAATATG TYCACCAACT TATCAGTGAT AAAGAA

68/472

ug123

1 GGAATTCCCG GCTCGAGCGG CCGCTTTTT TTTTTTTTTT TTTTTTTTTT  
51 TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT CATAATTGAT TATTTTATTA  
101 AGATAGTTGW TTAATAACTG AAAACCAGAG GTAAAGTAAC AAATTCCAAA  
151 GGCTTTTAA AGGCATAAWA TTTWAAGGCT ATTCAAATC TTCTTGGGAT  
201 GRAAGAAAAA TCCCTT

ug124

1 GGAATTCAAC CGGCTCGAGC SGCCGCTTT TTTTTTTTTT TTTTTTCCCC  
51 TCCTTTTTT TTTTTTTAAA GGAAAACCAG TCAAATCATG AAGCCACATA  
101 CGCTAGAGAA GCTGAATCCA GGTCCCAAAG GCGCTGTAT AAAGGAGCAA  
151 GTGGGACCCG CACCCCTTT TTTTATATAA TACAAGTGCC TTAGCATGTG  
201 TCGCAGCTGT CACCACTACA GTAAGCYGGT TTACAGATGT TTCCCVAVCG  
251 GAATTCCACC ACACTGGCGG CCGCTCGAGC ATGCATCTAG AGGGCCCAWT  
301 TCGCCCTAT

ug125

1 GGAATTCCAT ATTCCAGCCT CTACCAAAAG TGCTGGATCC TGATTGTGC  
51 AATACTAGGG ACTGAACCCCT GATTTGTA TAAACTAGGC AACTATCAA  
101 CTGATAAAAGT GCACTGGGAT CTTGGAAGTT CTGTACTTGT GATTCTGGAC  
151 TTTGGAAGT CAGAGAATT TAATTACCA GTGAGTCGACTGCTGCTACT  
201 CAAAATTTCAATTAGTATCT ACGTGGGGGG GGGGGGCTTA GAAATGTAAA  
251 CMTGGGAGC TGGAGAGATG GCTCAGTGGT TAAGAGCACT GACTGATCTT  
301 CCCATGTGGT GGCTCACACC ATTTTTWAT GGGATCTGAT GCCCTTTCT  
351 GGTGCTGTCT GAAGACAGCV TCAGTGTACA TATATAAATA AAAGAAATGT  
401 AAACATGCMG CTTGGGAAGC AAGTA

69/472

ug126

1 GGAATTCCGC GCAGGGCACGG AGCAGGACGG CGGGACGGCC GGCCCTCCCG  
51 GCCGGAGCCC GCAGGGCGCGG CHGCAGGGCG GTGGCCCAGG GCAGGGCGCCT  
101 ACCCCCCCCC CCCCCCAGCA GCATGTATG GTTTAGTGGC CTCTGGTTC  
151 CCAAAGTGGA TGAACGGAAA ACAGCTTGGG GGGAACGCAA TGGGCAGAAG  
201 CGCCCACGCC ACGCGAATCG AGCCAGTGGC TTCTGCVAC CTCGCTACAT  
251 GAGCTGCCTC AAGAATGCGG AGCCACCCAG CCCCACTCCT GCAGCTCACA  
301 CTCGGTGCCC CTSGCAGGAT GAAGCCTTCA TCAGGAGGGC GGGCCCGGGC  
351 AGGGGTGT

ug127

1 GGAATTCGTA CAGGTTGAAC AGAATTGAGA ATGCCTGAA GACAATAGAG  
51 AGTGCCACCC AGCAGACAGA CAAACTGAAG GAGCTTATG GACAAGTGCT  
101 GTACCGCCTG GAACGCTACG ATGAGTGCTT GGCTGTGTAC AGAGATCTG  
151 TCCGGAACTC CCAGGACGAC TATGATGAGG AGAGGAAAAC AAACCTGTCA  
201 GCGGTCGTTG CCGCTCAGAG CAACTGGAA AAAGTGGTTC CTGAGAACTT  
251 GGGTCTCCAA GAAGGCACAC ACGAGCTCTG TTACAACGCT GCATGTGCAC  
301 TGATAGGGCA AGGCCAGCTG ACCCAGGCCA TGAAAATYCT GCAAAAACGT  
351 AAGATCTTAT GTCGCCGTCA TTTTCA

ug128

1 GGAATTCTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT  
51 TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT  
101 CCAAATTGTT TTGATCCTTA TAGATTGGA GGGCCAATG CATTTCAT  
151 TTATACTTTK KGCAGGGTAA GTACTTAAA AAACAATTAA TTGRCTTAAA  
201 TCCATTAACA TTTWTGTAAG GGATTATATG GTCAGCCATT CCTTGGTATA

70/472

ug129

1 GGAATTCTGGAA AAATGTTAGC ATTTAATTAA CCTCCGGTGT GGCTTTAAG  
51 CCACCAGAAC ACAGGCACCT CCAACACCCCT TAATCTTCTC CTCAGCTCTT  
101 CTGCTGAAGA ATTTGGCCTT CACGATGACA GGTTGCTTAG GGAGCTTCC  
151 CTTGCCAGA ACTTTGTAGT AGCCTGATCG AACAAACATCA ATGATGGGAG  
201 CAACTCCAGT CTTGTTTHTC MGCATTGACC CGTGTCTGCH CGCTGACCAA  
251 TGTCCACAGT TTATCCAGGT TGACTGTTGG GCAGAAGCTC TGGTTCCCTCT  
301 TCAAGTGGTA ATGCCGCATA CCAACTTCC CAAAGTAACC TGGGTGATAT  
351 TTGTCAAAGT TGATCCTCGT GGTGCATGCC TCCAGCATTCC

ug130

1 GGAATTCCCTG AAGGCTGAGG CTGTGAAGAA GGACCGCAGA AAGAAGCTGA  
51 CCCAGTCCAA GTTGTGGGG GGTGCAGAGA AACTGCCA CCCCAGAGTC  
101 ATCCCTGCAC CTGAGATGAG ACAGGAATCC GAACAAGGCC CCTGCCGCAG  
151 ACACATGGAA GCTTCCCTCC AGGAGTTCAA AGCCAGCCCA CGCATGGTGC  
201 CCCGTRCTGT GTACCTGCCA AACTGTGACC GCAAAGGATT CTACAAGAGA  
251 AAGCAGTGTA ARCCCWCCCG TGCCGAAAC GTGGCATCTG CTGGTGTGTG  
301 GACAAGTACG GAATGAAGCT GCCGGGCATG GAGTACGTGG ATGGGGACTT  
351 TCAGTGCCAC RCCTTCGACA GCAGTAACGT TGAGTGA

71/472

ug130r2

1 GAATTCCCTG GAGAAGCCTG GAGCTCCACA TGCAGAGAAA TGATCTGTCC  
51 TTGTGTCTCG TTCTGATTAA AAACAAAAAC AATCAAATAA AAAACAAAAT  
101 KGAACAACAA CCTTAGTGTA TGGCATGAGA ATGTGAAAAC ACTAGAGATG  
151 ATCAGGGGGA TCTTCAAATG GAGGCAGACA GCCAGTTCT GAAGAGAATT  
201 GCAGTAGCTC GGAAAGCCAG TCACCG

ug131

1 GGAATTCGCA GAGGCAGGCA GATCCCTGTG CGTTGAGGT CAGCATGGTC  
51 TACAGAGGGA GTTCCAGGAC AGCCAGGGCT GTAGAAAAAC CCTGTCTGGA  
101 AAAACCAAAC ACCACCACAG AATAAAACAA GGAGAACAG ACTTGTTC  
151 AAAGTGGCTC TTCTGAAGCC CCTGCTCTGA AAGTTCACGT GACCACAGCC  
201 ATGCCCTCT TTCATCTGAG TCACTGGCTT AAGGCAAGGC TGCGCCGAGA  
251 CCATGAGACC GTGAGACCAG ATGGTGGTGT GACATGGAGG GAAGGCGGAG  
301 GTCTGGCTGC TGTGCAGCCC TAGCSCCAGT CCAAGAGCAC CTGGTCTTCC  
351 GAGTCAGCCT AGGTCA GTGG TAGTCATCAA GCTCACTTCT GAGCAGGGAA  
401 AGATCCAGAG CGCCAARCCC AGCCCCGTCC CACAGATCCA

ug132

1 GGAATTGTT TGAATTCCCTT CAACTACACT CAGAGTTCAA GTGCAGACAC  
51 ACTGTGTCCC AGGCTCCCGG TTCCTCCAAG GGATGACAAG TGTGTGCCAA  
101 TACCTCCGAC ACAAGTTTG GCACAAGTTC CTTGCACTCA ATACTCTCAC  
151 AAGGCGAGCA CTTCACTGCG GACTAAGCTA TACCACAGCC CTGAGAATGG  
201 AATTTTCCA AGGTTCCAT TTAGAGTTGG ATCAACTGTC CTCTCTCTGT  
251 CGCTGGGATG ACATGAGAAG CTTACAGGGT GGCACAGGTG CTGAACTCAG  
301 TGCTGATTTG TGGCGCTCTC CCTCCTTCTG CTTCTTTG TAACCTCCGG  
351 ACATGTGCTG GTCCSCTGCC CCTCACAGTA GGGTCTGCAC TGTAAGTATT  
401 GTCTTATAGA GGAGAAGACT GATCAGGGAG AGGTTGAGCA AGCAGAAAC

72/472

ug133

1 GGAATTCCAG GTTATTATTT TGTTTTGGT GTTTGTTT GTATTTTGG  
51 AGATAAGGTC TCACTATGTG GCCCTGGCTG GCCTGGAATT TACAGAGGTC  
101 AGCCTGCCTC TGCCCTTAA GTGCTGCAAT TAAAGTCCTG GACTATCACT  
151 TCAGGCCCTC TGAGGTCAGT TTTAACAGC GGAAATACTT TTATCATTCT  
201 GGCTTGCTC TTCCCAGATA CCTACACTCT TTCTTCACTG ATACTCAGGS  
251 CTGAACCAAC TTTTATCATT CTGGCTTGC TCTTCCGAAT TCCACCACAC  
301 TGGCGGCCGC TCGAGCATGC ATCTAGAGGG CCCAAYCCGC CCCTATAGTG  
351 AGTCGTATYA CAATTCACTT KTCGTCGTT TACAACGTCG TGACTGGAA  
401 A

ug134

1 GGAATTCCCC GGCTCGAGCG CCGCTTTTTT TTTTTTTTTT TTTGAAAGTT  
51 TCAGATGTTT TTATTCAAAG GTTCTAAAAA GAAATAAAAC AGAAAAAGCT  
101 AACAAATCTGA TCAAATGTAC AGTTAAAAAA TGTCTTTGG CGTTAACAA  
151 GTCCTAGGAA AGAAAACTAC AGAGTCATCT TGAACCGGTAA ATAAGTCAC  
201 CACTGGCAAG TATGTAGCAC TAGTAGAACAAA AAAATAAAAA ATTAACTCTC  
251 TTGATCATAT AGATATCTCT ATGAAAATCT TTTTTTCAA TCTGTACAAA  
301 AGGTCTTTCT TCATAAAATTA ATTTTTTTA TAATTTAATG GCTGCTACC  
351 CCGGCTCGAG CGCCGCTCG

73/472

ug135

1 GGAATTATA ATTATAGCA ACAAACGGCC GTCTCGCTGC CTGCCGCAGC  
51 CGCAGGGTGC TTTTCAGAC CTGACGAGCA ATTTTGTGA AATACGTAGT  
101 ACGAAGGAAG AAAGCTTGGC GGGTCTTAC TGCAAGGCCT GGGCTTCCGG  
151 TGTTCCGGAC CGGCATGCC TGCAAGGCCT GCGGGACAT GTGGCTTCTT  
201 GCRCGCGGGT CCTCTGCAGT CGGGCTGGGA GACTTCTCTT CGTCTGACTG  
251 GGTAGGCATT TTCAGACCTC CATACTTTCA AATACAGCC AACAGGTCGC  
301 VCAGAGTCTA CACTGCATGT TAGGTGGGCC CCAGGAATAC CACTGATGAG  
351 ACTGTGTGGC GTASAGC

ug136rcon

1 GGAATTAAA GAGGTCTGCT AGCCGGTAGA CATCAAGGAT ATTCTCCTCA  
51 TCTACCCATG ACATGAGGAA ATCACAGCAG AAGTGGATAA TTTCTGGTAT  
101 CTGAAGTTGG CAGGCAGCAA CCAGGGTCTC CTGCACATTG CTCAGGCTGA  
151 GCTCTAGTTCA AGAAGTGTAT ATGAAGTGCA GGATTGGCA CATGGCATTG  
201 TAAGACACAC CGTGGATCAA GACCTCTTCC WGCTCCAWCT CCTTCAATCC  
251 CCCAGCAAAC ATTCCCTCTGA AATAATCACA CGATGCAGCT AGCAGAATCC  
301 GATGGGCCTC AATGTGCTTC CCCTCAGTGA CCAGGCCAAG TACCTGAATC  
351 CTCTTACTGG GGAAATHGGA AMAATTTMNN TGGCTTT

74/472

ug137rcon

1 GAATTCTGTT TGCCTATTT CATGTGAAA TTCATTCAAG TGATACAAGA  
51 GCCCTAAAAA TCAACCCTTG ATTCACTAAA AAATATTAT TTAAAAAA  
101 GAGAGAGAGG GCCCAGGCAT GGTAGCTCAC ACATGCTTAT AATCACACAC  
151 TTGGGAGGGT GAGCCAAAGA ACTGCCATGA ATGTGGAGTG AGCATGGTT  
201 AAAATTCAAC CCTGTCTCCA AACACAGGAGA GGGAAAGGGGG TGGGAGATT  
251 GAAAATTCAAT ATACAGGAGA AATTAACAGA CAATATTATC AGAAAACCAA  
301 AGTACACTTA AAACTGCACC ATCACTCTGG TTCATCAGGC CAGAGTGAAT  
351 GCTTGTGACT ACACTGTCGT CCACCTGCTG AGGATGTACT TATTCTTAC  
401 TACAATAACT TCTAAAGTAT NCTCATAGTT HACAGCAAKK CCAGANCCTA  
451 ATAATTATCT AATCTAGNGT TTCTAACCT TNGCGATCAC AAATAATCTA  
501 TGTACTAAGA CACT

ug138

1 GATTCTTAT CACTGATAAG TTGGTGGACA TATTATGTTT ATCAGTGCAT  
51 AAMGCTGCTC AAGCCATGCA CAAAGCTGCG CCGCGCCCGA ATVCVGTGA

ug139

1 GAATTGGCA AAGGGAAGAC ACCTCCAGCT CAGCCCAGAA GCAAAGCTGC  
51 TGAGGGGGAC GTGGTACCAAG GTGGGGCTCA GCACTCATCC TCCCCGAGCA  
101 GGGCATAACGG GTTCCGGCT GTTAGGCAGG ACCCAGGATC TGAAGTTGGG  
151 GTGTCCTCAT CTCCAAATCC CTCTTCATCT GCATCCCGGT CCTCCTCTCC  
201 TTACTCCWCA CAGGAGCTGC TCAGTTCCCT CTCCTCTTCC TCCTMMTCAT  
251 CACCTGCCGG CCCCACCCCTG CCCTGCGACA GACCAGCTCT GCAGTCTCTG  
301 GGTGAGACTC CCAGGTGCCT CTCTGTTCGC CTGTAACCAG GAGGGTAGAA  
351 ACATAGG

75/472

ug140

1 GGAATTGGG GAGCTATGGG TAGGAAGTGG TCCCAGAGAG GTTTAGGTG  
51 GAAGAACAG GAGGAGTCAC AGGTCAACTT GCAGAATTAC TGAAGAATTA  
101 GGACCCAAA TTTATGCCA ATTGATCTAT TCCCCTCTT TTATTTCTGG  
151 GGCGGTTTT TCCTTTTT TTTTAATCC CTCCCTAGCT TTTTATGCGC  
201 TCATAATCAA TTGTACCCAT TCCCTACATA ACGGGAGCAG TGATCAGGTA  
251 ATGAATGCAT CGAGCCATCA ACACCAGCTA GAGCCATCAA CACCGGCTAC  
301 CACAATGTCC TGCTCTCCAC AACCTTGATT TTTTTTTTT TATCTCTCTC  
351 TATCGCTTGG CCTGAGTTGG GAGTGGAGTC TCTGTGGGT GCGGCCACDC  
401 ACCCACAGAG AAATAAAAGG AATTGAGAAG GTCGCTACCT GGCTGACTW  
451 CTGGGGACAG TGCTGGTCCC CAGAAGTTCT GAGGAGTGGA GGVGGCGTGV  
501 GCACGATGTC CCCTCACGGT GTAGGAAGG YGCTGGAGG CCACAAAAGA  
551 TGGG

ug141rcon

1 GGAATTCTT AACACTAATA GAAATAAATC CATTAAAATC TTTGAAAGAA  
51 AGAAAAGAAA AAGAGTGGGC TGAGACTCCT GCTAACCTCT GACCTACACT  
101 GACCTGACTG CTATGCCAC TACATATTCA GTAACAACT CAAAACCTTG  
151 AGGAACCTG TGCTTCAGG CATAACATGA CAAGCTAGCA TGCCAAGGC  
201 CCTGTGCACC ATCTCCAACG CAGAAAGATA AGAGATACAC TTACATGTTG  
251 GCAGGATCTT TAGTATTACC ACCAGGTAG CCACATTGTG TCCTGTAGTC  
301 ATTGTTCCCT TTTATATGA TCCTACCTGT CCGGACTTCT TCAATTGCA  
351 CTTTCAAATG TTCCTGGGG GCCACAAATC AAGTTGTCAA TCACATTGTT  
401 GATTTTTGT CACCAAAGAA AGGATGGAAG CCTGCTCAGC AGAAATTATG  
451 GGGCAAGGTC TTGATTCTC TTTCAGCAAG GCTTCACCTG AAAGGAGG

76/472

ug142

1 GGAATTCTT AAATATGACT ATGGCCAGGC AGTGGTGGTG CACACCTTA  
51 TCCCAGCCCT CAGGAGGCAG AGGCAAGGAG GATCTCTGTG AGTCTGAGGC  
101 CATCTTGGTC TACAGAGTGA GCTTCAGAAA AGGCAAGGAT ACACAGAAAC  
151 CCTGTCTTGA AAAACCATAc ATAAACATAc CCTCTGGCCC CTTTCTTCTC  
201 ATCACGAAGA AATAGGGAGG GTACATAAAT TGTTTAGATT TAGCTTAGAA  
251 GTTTATTTAC ATGTCTACGA GTGCTCTCCT GTGGAGCTCA AGAGAGGGTG  
301 TCTGATCCTC CGGAAGAGTT ACAAGAAGGC TGTGAGCTGC CACGTGGCTG  
351 CAAGGAACCA AATCTACTTG GTGTTCTTGG GAACACCAGT AGGTAAATCT  
401 CTTAATTACT MGAGCTATCT CTCCAGGCTC CTAGATTCTC AGGAAAAAAA  
451 CCTGACTAATT

77/472

ug143

1 GGAATTCTGTA GGGGTGGCTC TGTCCAGTGA GCCAATCATT CCTTAAGACC  
51 CTTCTGACCC CTCCTGTACC ATCGGGACTT AATCACCAAGT CTGGGGAGGC  
101 ATTAGGGAAG GGGCAAGGGGG TGCAAGAGGTT AACACCTCAGG AGAGGAACTC  
151 AAAACCCCTTC AATGGGGCTA TGTGATAACGG AGACTTCCTG GGATGTGTCA  
201 CTGGGTAATC AACTTAAAAG CTTCCCTCTG GTTCTTCTCA CAGGCTAGCC  
251 TAGAAGGAAA GCTTTGCTA GGKGAGGTC TKGGGGAGGT CTTAGTGGTT  
301 CCTAATCCCC TTTCTTGCC TTTACTGTCT GTCATGCTTG TACACCCCTT  
351 THAGAGCCCC AMCCCCCAHC CCCTKGCCCC TGCTTTGG TCTTCTCTGT  
401 GGGAACCTAA CYTTGAGAAA ACTTGTGTCC CAAATTGGCA TTTGCTCAGG  
451 GATATCTSAA TTTATKTCTC TTCCAGT

ug144

1 GGAATTCAAA CGGGCTCGCG CGCCGCTTTT TTTTTTTTTT TTTAATGCTG  
51 TTGTTTATCT TATATATGAT AAAGTAAATG TCTTTATTCC TATGTTGTTG  
101 AAAACTACCC AGTAATAATC CTGGAGTTCA CTGTGTCAGA CCTTGGAGGA  
151 GTGGGCAAAG AGCAGCAGCA CAATAGTGTATGTT AGGTTGGAAG  
201 TTCTAATAGG CAAGTCAGGA ATTCTTATAT CTGTAGCTCC TCCAGAAGCC  
251 CCAGGCACAG GCGGGGCTCG GTGTGAGCAT GTGCACACAG CYCCACCCCT  
301 TCACCCCCACC CCCDYHYCAG CCAGGTGTTT AGTGCAGTGA GATGTGAAGA  
351 CTCTGCTTAG CAACCAGCAG TAAGTCCTGT CTCAATCGAT GCTAGGTCGC  
401 TGTGAGTTAA GACAGGGACT

78/472

ug145

1 GGAATTCTG AGGACATGAC ATCCAAAGAC TACTACTTG ACTCCTATGC  
51 CCACTTGGC ATCCACGAGG AGATGCTGAA GGATGAGGTG CGCACCCCTCA  
101 CATACCGCAA CTCCATGTTT CACAATCGGC ATCTCTCAA AGACAAGGTG  
151 GTGCTGGATG TGGGCTCAGG CACTGGCATC CTCTGCATGT TTGCTGCCAA  
201 GGCGGGGGCC CGCAAGGTTA TTGGGGATTG AGTGTCCAG TATCTCCGAT  
251 TATGCTGTGA AGATTGTCAA AGCCAMCARG TTAGACCATG TTGGTGACCA  
301 T

ug146

1 GGAATTCGTT CAGCAGTCCT GGAGACTGAG CCCTCAACTG AGGGCATCTG  
51 ACATTCTCTC CAAGTTGAAG GTCTGATGCA AAACCAATAT TTTGTTTGGT  
101 GTGTGAGTAT ATATCCCCAC ACTTTGGAGG CCCGCAGAAG TAACCTGTGT  
151 TGGAGAAACT GACTCTGGTT TTTACTTAAG AGGAAAAGGG GGAGAGAAC  
201 TAGTGATGTG TTTCCCTGAT AGACTTTATA TCATATAATA TAAATCACAC  
251 ATGGGGAATA CCAAAAGGCA AAAATAAGCA AGCCACTGTT ACCTAACTCA  
301 GAAAATTATA CTCTTCATCC ATTTAGGGA TGAAAACAAT TGCTGTCAAT  
351 TTACAAGCCA ACTTCAAGG CAGAATTAG GTTATCCAAT CAGGATTAG  
401 AATATCGAAC ATCTTCAATA TCTAAATTAA TATTATATVG TCACAAATAT  
451 CAGGACCC

79/472

ug147

1 GGAATTGCT TTTAAGGAA TGCTGGTGGT GCCTGGGTAG ATAATTACAT  
51 CACTTGTTC ACTGTGTTGA CACTGTTTC CTCATGGATC TCCTCCATT  
101 CTAGCTTCT CTGCTATGCA TTTTCTTCAC AGCGCAGCTT GCGGTCCGTT  
151 GCTGAAAATT ATAAGCTCTG CATACTGTTG GCTTTACTGT GATGACATGT  
201 TTCTTCTTT TTAGCTGGCC CACACCTTTC TAGGGTCCAA CTACAGGATA  
251 GATTACAGAC TTTCCATTAG TGTCTATTTC TTTTACTCTG TGTAGACTTT  
301 AGAAAGTCTA ATCAATCCAG AGATGGGCCA ATTCAAGATT GACTATAATT  
351 GAACACCTGC TAAAAGTATT TATGGGAGGA TTGACACACA GCATGAGTTA  
401 TTTGACTTT GTAGGATATT TAAAATCAT TTGCAGTTCA TGTAACAGTB  
451 GTGGTCTTAA AATTACACATA ATAAAGCAGT CCTGTTCAA AAAAATT  
501 TT

ug148

1 GGAATTCCGC CCTTGACAC TGCAACAGCA TGGTCATCTA CAAGTGCCAA  
51 GCTGCATTG TAGCTGTCCT GAGACCTGAG CTGTCATGTG ACCCTTCAAT  
101 GGCAGGCTGG ACACACTATG AAGGGTAAGG TCCAAACTTG GTCCAGCCAG  
151 TAAGAAACTC ACGGAAAATC TAGTTCACCA ACAGGAGCTC AAAGAACCTT  
201 ACATACTGGG CATTTCACAT CAGGCACATG TCTGGGGAGA GGACTGGATA  
251 CCAGACCTTA TAATCAGCCT AAACTTGCTA AGAACAAATAA TTAGGTCCAT  
301 TTTAAAGAGG TTCTAGCCAC TATTCTGAA ACTGATTAA CTAAGTATAA  
351 ATCCTCAYYG AAATCTGTTCAAAATAGGT TATTGAAAGC AACTCCTGTC

80/472

ug149rcon

1 GAATTCCATT GCTTGATCAA TATGTTATT GTCTTATGA AAAAATCTC  
51 ATAGAAAAC GCTTAGCTT TCAGCAGCCC TTTCTGAGC TCTGAGGAAG  
101 CTTGCCTTCT TTTGAGCAAC CCGATCTTC TTCTGGCAA GAGACATTT  
151 GGGACGATTTC CACCTCTTCT TCTTCACTTC TCTCTGGGC TTCTTCTCAT  
201 AGACTGGATT CTCTCGGATA GCAGCATGAG CTTTCTTATA CATCTCCTCC  
251 ATCATGTCTG GAGTTACGTT GTTCTTGATG TACTGAGAGA ACTGTTCTT  
301 ATACGCATCT TCATCTTCCT CCATTAGGTA GCGCATGTAG TCTGCCACAT  
351 TCTGACCCAT GATGTGCTTC CGATGTACCT CTGCATTGAA CTCCTTGCYT  
401 TCAGAGTCAT AACCAAGGGAA TYGTTGGTA CTATGAGGGAA TAGACAAGCT  
451 TCCATHCACA RGT

ug150rcon

1 GGAATTCCGG CTTCTGAGCA GATCAGACTC TCCTCGTTVN CGCASTCRCD  
51 CVGCTCCTTC CAGCAACCAT GTCTGACAAA CCCGATATGG CTGAGATCGA  
101 GAAATTGAT AAGTCGAAGT TGAAGAAAAC AGAAACGCAA GAGAAAAATC  
151 CTCNRCMTTC AAAAGAAACA ATTGAACAAG AGAAGCAA

ug151rcon

1 GGAATTCCCT TGACCTCGCT GTCTCTTCTC TCCTCTCCTC TGCTCTACCT  
51 CTGTCTCACCTCTGTCAAGT TCTATGAATG ACTGATAGAA AGCTAGTCTG  
101 CAACCATTG GCAGGTAGAA ATTTCCCTG CTCTGCAGGG AGACATAACC  
151 CTCTGTTGG CGATGGAGAA TGAGGAGCAG AGCAGTGAGC CCCTGGGGAG  
201 GCTGTAATTA AGAWCCACTC CTGNCTGAGC CTCGSGCAGA GCCTCACTCG  
251 SGATTCTCCC TGTAACCTCC CAACAC

81/472

ug152rcon

1 GGAATTCTGGA ATTCCCTTAA ACTACAAGGA TTTTATTTA TTAGAACATCA  
51 GCCTGAGCCA GAACCTTTA TGGTCACAGG AAGAGATAGC AAGTAGATT  
101 ACTGACATCA AGAAGGACTG CCCAGTGGTG GAGCCAGCAT TTGAAACTGG  
151 ACTATAGAGG ACCAACTACA ATTGTGACTG CATTGTGAC TGAATGTCAC  
201 AAAAACTGCT GAGAGGCTTG TCATGTATAT GAGAGACAGG GAAAGAGTCA  
251 TAGTCAAGAC TGGAAGCATG AGCAGGCAAG AAGTGTACCT TAGATTCTAT  
301 CCCCCATCAGT TCTTTCACAT CACATGTGTT TGGCCTCTGT ATAATACCCA  
351 GCTGTATTGA CCAGGACTTC TCTGTCCTGC TTTGCTCTG AATTTCTATA  
401 GTGAGCCTAC CTTTGGTAA TGACTATTTA TGAGATAGTG TTCTATTCTC  
451 AGGTTACTAC TGTGGATTGA ACCAACATT ACAAACACCA GCTCAGCAAM  
501 GAAAAATAAC CAATTACTTH GTCTCTGTTG AACATTGAAA ACACCTCCAC  
551 TGAAAGAATG GAGTGATTAA AAAAAGATCC MACMGATGAC CMAAGTAACC  
601 ACAGATAT

ug153rcon

1 GGAATTCTACA AGATCTACCA CTTACAGAGC AAAGTACCCA CCTTTGTWC  
51 GAATGCWGCG CCCAGAAGGA CGACCCCTGAA TATACACGAG AAAAMCTGGA  
101 ATRACCTACC CTTACDGCA GACC GTTATT ACTAATGAGT ACATGAAAGA  
151 AGATTTCTG ATTAATATTG AAACCTGGCA CAAGCCAGAC CTTNACACCC  
201 AGGAGAATGT GCATAANGCA KMGGAGGCCT GASRGATGG AAACATGTGG  
251 AAGCTATATA TATAGACAAT TRCTGATC

82/472

ug154rcon

1 GAATTGAGA GAGAGAGAGA GAGAGAGAGA GAGAGAGAGA GAGATCTAGT  
51 TGTCAATTGA ACAAGGTGTA TTTGAGCCTG GAGGCATGAG CAGGGCTGGT  
101 TCCTGCGGAC CCTGTGAGGA CTGTGGATG GGCATGGGTG TTGTCTATAC  
151 TGTGGTTGAG CACCAGTGCC CAGCGCCAGG CTGACTGACT AGCTGATACC  
201 TCCTTGGTAT TTGCAGGGTA CTCTTGAGAA GTTCAGGCAG GTGAAAGTCT  
251 GTGGCATCCT CCTCATTGGT CTTCTGCCCT CACCATCCCC CATGTAACCA  
301 AAGAGACTCT GAGCVCCATT TTTCCTCCC TACTGAGAAT CCCTCTGGAC  
351 TCCANNTCAC TCAGGGTAAA AGTCCATCCT TTCCATGACC ACTGGGTGGG  
401 TCTTYACCAT CCACNCTCAT CACCTGTCTG AATTAGTTGA CGCTCCCTCT  
451 GCWCCAGCCG CAATGGGCTC AGCCTTGCA CGTGGTAT

ug155rcon

1 GAATTCCAGC AGTTAACAGAGC ACTGACTGTT CTTACAGAGA TCCTGAGTTC  
51 AATTCCCAGC AACTGCATAG TGACTCACAA TCATCTGAA TAGGATCTGA  
101 TACCCCTCTGC TGGTGTGTCT GAAGATAGTT ACAGTGTACC CATATGCATA  
151 AAATGAATAA ATAAATCTTT TTAAAATTTT TATTGCTTA ATTTTATTTG  
201 AATGTGTGTT TTACCCACTT GTATGCTTT GTATCACCTG CCTGCCTGGT  
251 GACTGAGGAG GCTAGAACAGAG GGCTTCAGAT TCTCTGGTC TAGAGCTACA  
301 GCTGGTTGCT AGTGGCCATG TAGATGCTGG GAATCGAGCC TGGGTTCTCT  
351 CTGAAAGAGC AACAGTGCCC TTAACCACTG AGCCACTAGA CATAAGCATT  
401 CAGAGAGGGATTGTTGTTGT TGTTGTTTG CTTTGTGTT GTTGATTTT  
451 TGTATTYTGC CACAGTGGCT GCAAACATTG AATCTGAGTT GGAGGTAATC  
501 CTTTATTTT ACAGAATMTC AST

83/472

ug156rcon

1 GGAATTCCCC CCGCCATGAC TTTCAAACCT GTTGACTACA CTGTAGTCCT  
51 CCTTCCAATA GACTTCATC ACTGCTTGGG TCTCCTCCTC TGTACTTGCA  
101 ATGCCCATCT TTAAGTCCTG CATAGCAGCC AAAGTGTCAA GACAACCCAG  
151 GATATGCAAG GCTGCGTGAG ATCGGGTGGT AAGAGCCCTT GATCCTGTTG  
201 GCAGAGCAAG TTCAGGACTT AGAATACTAC ATCTGGACTG CATGTCTGTT  
251 GCAGAGGGAA GTCTGGCATC AGCAACCACG GCATTGTAAC ACCAGAGCTC  
301 TCTGGTGCTT GGTCGAAACC TCCAAAGCAC ATCATATACA GGATCAAGAC  
351 ACACACCAAA TYCTTGCAGG TCTTCTTGTGTT CAGAGTCATT GAAAGTTTA  
401 CAACTTCCAT CAACTTATT TATCAGAAGA CATTAAATG GTGGAGGTYC  
451 TGATATGGAA GCAGGAMCCA RGGCCTATTA

ug157rcon

1 GGAATTGCAC ACACCTCTTA GGGCAGGTGG CAATCCAACA ACAACAAGGT  
51 CCCGGAGTAC AGAACCCAGGC TCTGGGTCTT AAGCCTCAGG GCCTTCTGCC  
101 TCCCAGCAAC CACCAGGGCC TCCTGGTCCA GCAGTTGTCC CCCCAGCAGT  
151 CCCAGGGATC CCAGGGCCTG CTTGGCCCTG CCCAGGTGAC AGTGCTGCAG  
201 CAGCAGCAGC AGAACACAGCA GCACTCTGGA GCTCTGGTC CTCAGGGCCC  
251 TCACAGACAG GTGCTTATGA CTCAGTCCAG GGTGCTGAGC TCCCCTCAGC  
301 NGGCACAGCA GGGTCACAGC CTTATGGGAC ACCGGCTACN CNCNNCCAG  
351 CAGCAGCAGC AGCAGCAGCA GCAGCAGCAG CAACAGCAAC AGCVGCAGCA  
401 ACAACAGGCA ACAACAACAA CAGG

84/472

ug158

1 GGAATTCA GC TTACATAGGG AATTCTAGGG CAGTGAGGG A GTTTGTCTCA  
51 AGAGGAAAAG GTTAAGTGT C TGAGGAATGA CCCTGGAGGT TGTCC TTGA  
101 CACCTGTGCA GGTGCACACA CACACACACA CACACACACA CACACACACA  
151 CACAGGAGCC AGGTATGGTA GGTAGCACAA GCTTGTAGTC ACAGCTACAT  
201 GGGCAGGTGA GACTGGATGA TTTAGAGTTT GAGGGTAGCC TGGCCTACAT  
251 GGTAAGTTCA AATCCAGCCT TGGTTATCTA GTTGAGTTGT TATCTCAAAA  
301 CAAAACAAAC TTATCCACCT ATGTGAGACA ATGTGAGATT TTTTCTCTGC  
351 TCAAAGACAA ATGTTTTCT CAAAGGTAGC AACAGGCTGA TAGGAACACT  
401 CTTCCCAGAA GAGTDCACAC ATGAGCHGGT GCMCTGGVVA TGCTCAGAAG  
451 AGGCT

ug159

1 GGAATTCA TC AGAAGCTCAT TTTGTTATT C TTTTTTTTCT TTTTTTTTCA  
51 CAAATCAGTA AAGCTTAAAG CCAGAGACTT ATAGATTGGT TCAAATATAA  
101 TCAACAGTAA GATACAGACA ACAAGAGATA CAGCTAAAGC CACTAACAGC  
151 AACAGATTCA AAGTAGGAAG ATGGGCAAAG GTCTTATCAG GAAAATGCTA  
201 ATGAAAAGAA AGCTAGATCG CAATGGTAAC ATCAGATAAA GGGGAAAGCA  
251 AGCCAAGCTA CATTAAATAG GGGTAAGGAT GGCTTCGGTT AGCCTTCAA  
301 CRCGTCACTA TAAGTTGTT TCTCACTTWA CTGAWCTCAT CTAGCTCCTC  
351 CACAATCTCT AAACAGATCA TCACTRCTCA AGARCMTGTT GTGTATATAC  
401 CTCCTGAAAAA

85/472

ug160

1 GGAATTCCAT GGTAAAGCA TATCAAATAA ATACTAGGCA AGGAGTTCC  
51 TGGGAGAGTT AGAAATTAAA AAAATTACCA AATTTCTGT CTCTGTGATA  
101 ATTCAATGCC AGTAAGAGAA AGGTATTGAA GGGACAATTTCATACTAAA  
151 AAAAGAATT CCCTAGTCAT GTCACCACCT CTTATAAAGA ATCCAGGGAA  
201 TCCCAGAAAT AGAAAATTAG TTTCAGGGGG ACCCCTGAGG CACTTAAAG  
251 CCTTAAAAAA ATTACAGTAA TAATAAATTA GCTATTGCTC TTCAGAGGCT  
301 CACGGAACAG CTAACACAAAC AGGACCAGGT CCAGAGTTAG GTCCGTATCT  
351 CAGGTTCTCG AGCTGCCCGG CCCTTTAA AGCTTAGACG AATTCCAAA  
401 TACAAGACAT ACAATTAAAC ACAGACTGAG TGGGDCTTT TGTTTAGTGG  
451 GT

ug161

1 GGAATTCCAT TCTTCAAAA ACAATGTATT ATCACCTGAG AAATAATCCA  
51 CATTAGTTA ACTTTCAAGG GAACTCTGA ACTCATCATA CATACTCCAC  
101 TACCCAATGT CGACACTCCA TTTCCACCTC AGCCAGTTAA GTGTAAAGTA  
151 TGCAAAACCT CAATGAGTTG TTTCTAACTG ACAGACTGCA GAGATAAAAG  
201 CAATGACGAC GGCTTCAGA TCTTAGCAAA AACAACTGCT AAAGTGACTA  
251 TCAAGGAAAA GAACCATTAA AGAACAGTT TTATGTACCA AGGTGGTTAA  
301 AACTAAAAAT TTGACAGGCA GTGGTGGCA CGTGCYTTW ATACCCAGCA  
351 CCTGGGAGGC AAAGGCMGGC AGGATTCTG TAGGTT

ug162

1 GGAATTCAAGG GAGAGCGCAG ACAGGAAAAC TGCAGAAAGC CACAGGGAAA  
51 GTACGGTACA GACTCAGATC TTTTATTAA CAACTTACTT CTCGTTATT  
101 TCCCCACCAC TCCTCTGGCT CCTGCCTAAC TGGGTCGCGT TGGGGATGTT  
151 TGGCATGGCG CTCTTAGCTT TTGTTGTTTAATTCCGCG CGCCCCCTTH  
201 CTCTVGGCG GATTACTAGG TCCCGAACTC TGCCACTACA ACCTTAGGAG  
251 CAGCAAGCTY CGCCAATGG CACCACCG

ug163rcon

1 GAATTCACTT TATTTTATT TTATTTATTA ATAGTAACAA AAATCAGAAG  
51 TAACAAAAAA CCCAGTTAAA TGGAATACAG AAGCACAGCA AATACAAATG  
101 CAATTCAAA ACCACTCGGC ACAGAAATCT GTTGAAACCA TTTCTGAAG  
151 TTTAACTATT TAGGTCTAG GACTAACCAA GGCATTGGGA GTGCTCACAT  
201 GGATTTGGTT GCCGATGGAG GAGCCTGCTT CCCCAAGACT GACAGTAGTA  
251 CCCAAGAGTC CTGGTATATG TATGTGAAAA GACCTCCCTG GGTCCCTGGAT  
301 CTTAAGAGAC ACTGATGTTA ATAAAACCAC CAGGACCACA TAAAACCACA  
351 GAACAAAACC CCAGAGCAAG CCCAGAGAGC TTGCCGTCTT GTTCTATAGG  
401 CTTCTAGAGG ACTCTAGGAA CTGAAGAAGA TGTAATCCTG CGTGTGGTC  
451 CCATGCAAAT CTCAACCCAA GTCTCCCAA CCAGGCTACT TAGCAGCTT  
501 TCATGAACGG TTCAAGGATC ACCTGAATCT ATGGGRGGGT CACCTGAATC  
551 TATGGGAGGG TCACCTGATC TATTGGTSCH TCAGAGCAAC A

ug164rcon

1 GAATTCGATT TATTGAAGCA GTAACAAGTT GGTCAGATAT TTACTGGAAA  
51 AAAGCAGTTT TAATGGTATT CAAAAATACT TTAAAAAGTA TTCTAGCACA  
101 AGATTTCTTC GTAAACTAGA TTATTTGTA AACCTTTCT ACgtCTTTG  
151 GGGTGTCAgT TGTTAAGTGC TGAGCTTCTT TCTATTCAA ATCTATCTT  
201 CGCTCCTGAA AAACTGCAGT AAAGGCACCT GAAAGCTGTT TTCCTAAGAT  
251 ACGATTTTT TTTCTTCTT GCTGGTACTG CACTGTTGCA CCAAGTGTGT  
301 GCAATTTTA TTCAAGGTCA TCGTGATGCT GAGAAGTCTC ATTGATCACC  
351 TGTCCATCTC TGGTCTAAC CGTCTTAATC AGGAGTGTTC TTTTGAGTG  
401 GGTGTCAACC AGAGGAAGTG ACTCCAGGTT AGTTCTCTC AGGTTCAAGGG  
451 AAGAAAAGGT TGGCAGAGGC AGAGAAATCC TGCTCTCMNC GCCTTCCAGC  
501 AGCTTCTGT AAGGNNGCGA NCGTCAATGT CCAGGGCCAD CTTAACATTG  
551 AGCCAGATCT TGGAATTCAC GMAGGTGA

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ug165rcon

1 GAATTCCGAC TTCACCATCC CTATCAAAAT ACTGTCAACT TCTAACCAACA  
51 ATAGTGACTC TGTGCTTGTCT GTTTAGTTCT GTGTGTAAA TGAAATGTGG  
101 AAATGACCCCT CCCTGCCCA GCTGGCTGCC CTCCCCTTTC CTTTGATCTT  
151 GACCACTCAT GGAAGCAGGA CCAGTAAGGG ACCTTCATT TAAAACAAAAA  
201 CAAAACAAAAA AAACAATAAA AAGGCTAATT AACAAACAAAAA AAAAAAAAAAAA  
251 AAAAAAAAAA AAAAAAAGGG CCGHGAATT CACCACACTG GCGGCCGCTC  
301 GAGCATGCAT CTAGAGGGCC CAATTCGCC TATAGTGAGT CGTATTACAA  
351 TTCACTGGCC GTCGTTTAC AACGTCGTGA CTGGGAAAAC CCTGGCGTTA  
401 CCCAACTTAA TCGCCTTGCA GCACATCCCC CTTHBGCCAG CTGGCGTAAT  
451 AGCGAAGATG GCCNCACCG ATCTGCCCTT CCCAACAGTT GCCGTACCG  
501 CTGAATGGCG AATGGRCGCT SCCCTGTAGC

ug166rcon

1 GGCAGGTAGGC GAGCAGCGCC TGCTGAAGC TGCAGGCATT CCCGATCAGA  
51 AATGAGCGCC AGTCGTCGTC GGCTCTCGGC ACCGAATGCG TATGATTCTC  
101 CGCCAGCATG GCTTCGGCCA GTGCGTCGAG CAGCGCCCGC TTGTTCTGA  
151 AGTGCCAGTA AAGCGCCGGC TGCTGAACCC CCAACCGTTC CGCCAGTTG  
201 CGTGTGTCGTA GACCGTCTAC GCCGACCTCG TTCAACAGGT CCAGGGCGGC  
251 ACGGATCACT GTATTGGCT GCAACTTGT CATGCTTGAC ACTTTATCAC  
301 TGATAAACAT AATATGTCCA CCAACTTATC AGTATAAAG AATCCGCGCC  
351 AGCACACTGG CGGCCGCTCG AGCATGCATC TAGAGGGCCC AATNCGCCCT  
401 ATAGTGAGTC GTATTACAAT TCACTGGCCG TCGTTTACA ACGTCGTGAC  
451 TGGGAAAACC CTGGCGTTAC CCAACCTTAA KCGCCTTGCA GCACATCCCC  
501 C

88/472

ug167rcon

1 GAATTCCAAT CTCAGAATAA AGGATGACCA CTGGACTCTC AGGATTTGAT  
51 GAGGGATATC TGTGATCTCC TTTGAACAAT AATGGTTCG GTCTGTCAGC  
101 GGCAGTCAGC AGAAGGCTCT CCAGAGTGT TAGATCACAA GTCTGCTTC  
151 CATGCACTGA GAGAAACGAC TTGCACCCTT CTGGTGGAGG CTCGTCAACT  
201 GCTATCTGCT GGAAGGCTTG AATTGAGGCT GAGTAGGAAC GGAGAGAGAG  
251 ACAAAAATTC AACAAATTCT GCTGCAGAGG GGACAGGAAG CGAAACGCAG  
301 CTTCCAATAC GGCATCGTAA TAGGAGTGAT CAGTATCGTG ATGATCTGAT  
351 GATCCAATGT TTTGAGTGGC TTCTACAAAA CTCCAAAATT TCTCTTGACT  
401 GTCTTCTGCT AAGAACTCAC TGGCTCCAG CAGCAGTGGG GCAGAAAACC  
451 ACTTTGTGGT GAGAGAGGTG STAATGGCTT TTGAATTGGC TTCTGCTAAG  
501 GAAAACAGGC ACGGTAAGGC CAGTGCAATC WAGGAGATCT CRTGTATGTA  
551 ACGGAGMCCT G

ug168rcon

1 GAATTGCCT GGGATGTCC TGGGAAGAA GAGCAGAGTG TTTCTGCC  
51 TTGGCCCAGG CAGTGCAGAC AGGAAGAACATG CATGGGGTAA GGGTAGGCCA  
101 GTAACCTCAC TTGCAAAGGA TGTAGCACTC ACTGGCTAGG ATGCATGGGG  
151 AGAGAGTTAC TGCTGCCAGC TTCCCTCTGG TACCCGCTAT AGACTGGCAT  
201 CCAGAGATGG GTGCCTGGCT TGAGGCCTGA GACAGTGATG CCCTCTGCT  
251 GGTGGCCAAT GCTCCTGTTA AGCTGCTTAC TGCAAGGCTC CATCTCTGC  
301 ATCTGTGTCC TGGCTGTGCT CCAGCTCCTC CTCGCTATGT GTTAGCAGTC  
351 CCTCCTCATC ACCATCATCT CGAGTTGGA CTTCTCCTTG GGGTGTGCCT  
401 GCCTCAGAAG CCGTGTCTTCTTGGGGCGCT GGTAGCCGGCTGCTGCT  
451 GCAGCTCCCG CTGCCGCCGC CGCTGCCACC ACCAACATTG CTACTGCCGC  
501 CTCCACCACT GCTGCCTCCT CCTCCACACT GBGTSKTCACCCYT

89/472

ug169rcon

1 GGAATTCTTTTTTTATAT GTAAAACGAC AAAATATTT AATTTCCAT  
51 GACCACAGGC TCTCTTCAAG AAGGCTGTAC CTGTATGACC ACCAGGTGAC  
101 AGCATGGATA ATGCTTCAGG ACAAGTCACA ATTTGTACT AACAAATCAGT  
151 TCAACCACAG CTTGAAATGT AGTTGTCCC AGCTGAAAAA GCCACAAGAC  
201 ACCAACATCG CGTCTTACCC CAGTACAGAC TTTTATAAAA CACACATGTA  
251 TGTAATTAGC ACAATAAACG CGCTTATTAT GCACTCTAAC ATAGAGCACA  
301 GGAATACACG CTATGGAGTG CAGCCCTCAT GTCTCACAG GCAAGAGCTA  
351 GAGGGTTAAA CAGGAGCCA TGGTGTGACA GCAGGAGCTC GGAGCGCACC  
401 ACTCTGCACG TGACTTACCC TACACTGAGA ACTGTACCC TGTCCAGTGG  
451 GTGGCAGGTA CAGTCTCAT AACTGTGTTA TTTCCTAGAG CAGAGATGTC  
501 AGTCTGGATG TGAGTCGCTG TTACCTAGAA GGSATTACAA GTCAGCTCCA  
551 TAGAAGGTGG GCGTTGGCT TTGGGGTCGA GTGTAACAGT GTCCCGCAGA  
601 CACTTKCACA CCCGCACCCCC TGTGCCAG GGGAGTGCAGC TTCC

ug170rcon

1 TGGAATTCCC AGTGTACGG CACTGCTGCT TACAGGGCCC GCCACCTCGA  
51 CAGCGGTCA TCAGGTACGG GTCTTCTTGG TCCTCCTCGT CAGGAATCTT  
101 AGCTGGGTCC TGAAGGTCTG CACCGTTGCC TTGGACAAAG TCTGAATTCT  
151 CCCGGGCCTT CACACAGCAG GCACGGAACA CCAGCCCACA CTGGTAGCTT  
201 ATCATGACAA TGGGTTACA GGTCTGGTCT CGGGCCAGGG ATGCCTTCC  
251 CAGCATGCAA CAGTGGCAGC ACCTCTTAT GAAGATGGTC TCAAGGCTAC  
301 TGTTGTAGCT GTGGAGCGAG GCNCAGCTT CTTGGCTCGC TKGGCCARGG  
351 TTGATGCCCG TKGCACAGTG GCAGCTCTT CCAGTTGGTTGTGACAACA  
401 TTTKCTCATK GGRCCATTCT GCACDCCYTT GGATTCTBGA GG

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ug171rcon

1 GGAATTCCCG TCCAGCTCCC CGGGCGGTGT GGAGAAGCGC AAGCTCCGT  
51 TCTCCGAGGA GTGCTCTGAT GAGGAGGCAA AAGGCATTG TCTGGAGTCT  
101 CCGAAAGTAA GGAAGGGATC TTTGAGCTGC CTGGAGGCCG CATAGCCAGC  
151 GAGCCACTGC GAATACACGT TCTCCGTGTT AGGCATCGCG GCCGGGGCA  
201 GGTCAAACTC CTTCTCCAGC TTGATGCGCT TGGAGAAGGG GCTCAGCGAG  
251 CTGGGGCTAC CCAGCAGCAG CTTTTGGAC AGACCCCCG AAGCCGATTG  
301 GCCGGGGGAG CAGCCACGAC CATTAACAGT GCCATCGTCT ATGCGGTCTG  
351 ACTCACCGGC CACCGAGTCT TYATCACAAG TGTTCCCYAW GGSCCTCSGG  
401 CTCGGCCAG GTGGCTACSC TTATGCTTT NNCCCAGGAC CTTGTGGAAG  
451 GCCTCTCTBA AGTGCTGCAT GGAGCTGAGC ACCATGCCCT GCATGA

ug172rcon

1 GGAATTCCCG TTCTCCTGTA TAGGAGGCAG CCATGGCGCC CAGCCGGAAT  
51 GGCATGATAC TGAAGCCCCA CTTCCACAAG GATTGGCAGC AGCGAGTGGG  
101 CACTTGGTTTC AACCAAGCCGG CGCGCAAGAT CCGCAGGCGC AAGGCCCCGC  
151 TGGCGAAAGC GCGTCGCATC GCCCCTCGCC CCGCGTCCGG CCCCATCAGG  
201 CCCATCGTGA GGTGCCCTAC AGTGAGATAC CACACCAAGG TCCGGGCTGG  
251 CAGGGGCTTC AGCCTGGAGG AGCTCAGGGT GGCTGGCATC CACAAGAAAG  
301 TGGCTCGCAC CATCGGCATC TCTGTGGACC CGAGGAGGCG AAACAAGTTC  
351 ACGGAGTCAC TGCAGGCCAA CGTGCAGCGC CTKWAGGAGT WYCKCTCCAA  
401 GCTCATNCCT GTTCCCCAGG AAGCCYTYTT

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ug173rcon

1 GAATTCGCTT GTTCTGTCAT TTTCTTCCT TGGTAAACTC TCTGGGGATT  
51 GGTCTGTWCT CAGCTGTGAC TATAGTCACA TCCTGGTTCC CAGCAGAAAT  
101 KGTGAAACAA CCTGCWGCT AGCCCACAGT ACTACAGTTC TCTGTTTGT  
151 TTCTGTTCT AGCCCGTCTC GATACTGACA ACTGGAGTTG AAGCTGCTTG  
201 AAGTAAGTCT GATGCTTCA TATAAGTGAA TTTGTAGGAC TATTGCTTTT  
251 WRTTTTTACA ACAGAAGTAA TTCTGACATA TTAAGTGGAA AATCTAAATA  
301 AGTATATAGA TTATATAACA TGATTTAACATTACATKGGAT CCAACTACAT  
351 ATGTGATTAG ATAATGTGTA TATGTACATA TG

ug174rcon

1 GAATTCGAAA TCCCTATGCT GDNMAGAGGA AAGCCAGCTA AGTTTNWRC  
51 TGTGTTTWRT TCTAAACGTG ATGGTGYTC TGAGGCCAAA AAGTACAAGG  
101 CAAGTTTWNC AATATTCTC TGCAAAGAAG CAAAGAGAGA AATAAGACCM  
151 SCCAGCAATT GAATT

ug175rcon

1 GAATTCCCTCC GATTCAATTAA TTAGGACATG ATCTCTGATG AATCTTTACT  
51 TCCAATTGC TAGGCTTACT AGCAGCAAGC ACACCTGCAC GAGSTCCAAC  
101 ATGGGKTCTG GAGATCCTAC ACAGGCTAAC AATTTDCNNN VCTTCTAAAA  
151 TGGAATTCTC ACACCAAACC ACTTACCTCT TCTTGRRTT TCTGBACAAA  
201 GTCAAGTCAA CATAGGACAG GGCGTCGCTCT

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ug176rcon

1 GGAATTCAAG AGAAGGAAAG AGAGAGGGGG AGAGAAADAA AGAAAGAAAG  
51 AAAGAAAGAA AGAAAGAAAG AAAGAAAGAA AAAGAGAGAG AGAGAGAGAG  
101 AGAGAGAGAA ATAAAGAAAA RGCTAAAMMT DDMWRVWRCT TAARMTCTTA  
151 TAGAACACACA CATCATTTC GTTTGACTTA TATCCCMTCT BGCAATMTCA  
201 AAGTCCAGTC CAACAAGAGT TCCMGCTTCG GACACACATT TGGTCAGGAT  
251 GATGGTGGTT ARTAWCTVNM TGTGNTCTGT CTAGRWCMAA ACTC

ug177rcon

1 GGAATTCCCT CAGGGTAGTC TGGAGGTGGT GATACCATAG GAGAATCAA  
51 GTTTACAATG GATTCTATAA CAATTCTAA AGCATTCTT CCATACTGTT  
101 TAAAAAAAAA AAAAAAAAAA AAGATGTTT ACCCAGGCTC ACCATTGGG  
151 TAATTTTTT GACCAATTAA ATGCTATAAA TTATAATTGT ACCAAATATT  
201 CAGAAACTAT TATTATAAA TATTCAAGGAC ATTAAATTACG ACCGCCTATT  
251 TGTGCCTTT CAGACAGCAG ACATTCAATA TGTTAATACT TTTTAATT  
301 TTAATAACTC ATCTTGATGT TTTCCAAAAA NTNCCAGGAG TATTTCCAA  
351 AAGGAATAAA AAAAATGTAT GTATAGATCA TGATATGTCA AATCCTGTCT  
401 CACATGAAAA TACCAGAAGG CAAAGCTAAC AAGAGCAAGC AAGTAGAGTG  
451 GTTAGNNHCA CATCACTAGA GACACAGAAA TGTACCTTGT TGTCAAAGTT  
501 GAATCT

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ug178rcon

1 GGAATTCCAG AGGAAGGGAG CTCAGAAGAT GGAACGAAGG CTGATGAGAA  
51 GAGCTCTGAC CAAGGGGTGC AGAAGGTGGG AGATACTGAT GGCACTGGTA  
101 ATCTTGATGG AAAGAAAGAA GATGAAGACC CTCAGGATGG AGGGTCCCTT  
151 NCCTAACAC TGTCCAAGTT GAAAAGGATG AACCGGAAG AAGAACAGG  
201 GGCTACAGAG CCAGAATATT ACCACTACAT CCCCCCAGCA CACTGCAAGG  
251 TCAAACCTAA TTTCCCCTTC TTACTCTTTA TGAGAGCCAG TGAACAGATG  
301 GAAGGGGATC ATAGTGCACA CTCAAAGAGT GCCCCGAGA ACAGAAAAAG  
351 CAGCTCTCCC AAGCCGCAAG CTGTTAGTAA GACAGCAGCA AGCCCAGGGG  
401 CAGAAAGAAC AGTGAGTGAA GCTTCTGAGC TGCAAAAGGA AGCCGCTGTG  
451 GCTGGNCCTT CAGAGCCTGG NGGCAAATGC ATGAAACMAA GA

ug179rcon

1 GGAATTCTAA TCATATGTCA GAGAAATAGT AACTTCACCA TAAGTGATAG  
51 TGAAATGAGG AACTGTGAGC TATAAAGAAG TTATGTTAAT GTGTGAGATG  
101 TCTTTCAAA AATAAAGTTG TACTATGGAC AAATACTATG TGAAACTTAT  
151 TTATTGTAAT TTTTCTAGT ATTTATAATT ATTTATACA ACTTTATGT  
201 GTTTTGCTT TTCACTTGAC AACTAGGCAA TAATCTGCA ACTTTCTTCC  
251 AGGTCACTTA GATATGTTCA GTACATTACG TTCCCTCTAGC TTGTACAGGC  
301 AACATCCAAA AACTCTTCGA AGCATTGTT CAGATCTTCA GTATTTCCA  
351 GGTACAAACA AGTGTATTAT TTATTTGRA AAACATAGTT ATATTTAGTA  
401 AGACTTGTG TNMSCMGDDG GTGGTAATTG AAGTACCTTA TTCCYTGGTA  
451 TATTAAGT

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ug180rcon

1 GGAATTCACTT CAAACACTGA AAACCAAATT TTATAAACAA CCATCAAATC  
51 TATGCAGTTT GCAGATTTTC CTCCCTCCT TGAAATAATT TCAGAAGCAT  
101 ACACAGAGGG GTCCCTACAC TAAGAAGGCA CCAGGGCCCC AGTTTATTCC  
151 AGTTTATGGC CTTTCCTGT GTCCGAGGGC AGCCTTATCA GCAGGCATAG  
201 ACTGGTCAAA CTAGCCCCGG AAAGMCTGCT TTATGAACCT CAATGACGAT  
251 YCCATCCTCA AAAANGCCTA ATCAACYACC GTCTCCATTCTTTCCMACA  
301 CTGACTAGTT AAACTTATT

ug181rcon

1 GGAATTCCAG GCTCGAGCGG CCGTATACTA TTATATWAAT CAAAACATT  
51 ATCCTACTAA AAGTATTGGA GAAAGAAATT CGTACATCTA WGGAGCTATA  
101 GAACTAGTTA CCGCAAGGGGA AAGATGAAAG ACTAATTWAA AGTAAGAAC  
151 AGCAAAGATT AACCTTGTA CTTTGCATA AWGRACTTAA CTHAGAAAAC  
201 CTTCTTAACT AAARGAATTA C

ug182

1 GAATTHGGCA TAAATCAAAG GGGGTGAAAT TAAAGCAATC CTTTCTGTTA  
51 TTTCTCACAA GTGGCAGATC TGTATTTGT TTATAGAAGA CTGTAGATCC  
101 TTTTAAATGA CAGACAGAAT TCTTAARRRA TTTTAAGGCA TGGAGAGGTA  
151 AATGACAGGT TTGTACATGG AGTAAATAAG GTATCAAAAG TAGAAATATT  
201 AAATTATGGG AGTGGAGAGA GAGAGAGAGA GAGAGAGAGA GAGAGAGAGG  
251 AGAGATCGAC AGAGAGAATA CAACGTTGG TTAGT

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ug183rcon

1 GGAATTCTGTG ACCTCACTGC TTAGTTCTTG GAAAGCTTGG GACAGACAGG  
51 GGCCTTGGCT AGACTGTCCC CAACACCCAC TCCCTGCCAT GCTCAGTGTT  
101 GGGCTTGGGT TTCACCACTG GGGCAGCAAG GCAGGCCAGC GGGGCCTCTC  
151 TGGGCTCTGG AAACAAGCTC TGCCACATAG CTCTGGGCAC AGTCCATCCC  
201 CTGGGGCCTG AAGGAGGTCA CCGGGAGGTG ATCTTTTCC ACCTCTGATT  
251 GAGCAAGACA AGGCCACTGG GGACAACCTGA ACAGCACAGC CAAACTTGA  
301 AACAGAGAGA CAGGGCCAGG CAAAGTGCC ACCCTGCC CACTCTTYCT  
351 GCGTCBABN CCAGTCTCCC TGGGGGAGTC AGTGACGGGA TCTGGGGAT  
401 GTTCTCTCC AGATCTGTTM ACTGGCCTTT TAGAAATGCC TCCTGGGGAT  
451 TGTGAATTAG TAGAGCAGTT TGT

ug184rcon

1 GGAATTCTATA AGAATGACCA AATAAAATTT TGGGAGCAAT AAATGTAGGA  
51 GAAAAATCTT TGGTGGGGGG TTTGGGAAAG CTTAACCTTT TAAAGGATAAA  
101 TGTCTTTTA AAAAGAACAT CTCTGGCTCT GACTGTTGAA AATACTTAAG  
151 ATATACATAC CAGTTTATT TGCCTTAAAA TCAAACAGAG AAGCAATGCT  
201 TTAACAGATA AAAACAGAAAG GTCAAACCTAG GGCTAGAGCC TGTTAGGGAA  
251 AGRAGAAAAG GCTAACCTAG KGGACTCAGT GGTGTTAACT GAAGATAGCT  
301 ACCACATGCA AGATGTWCAC GGGCAGAGAG TTTATCCTGA AA

ug185

1 GAATTCGCGC GCTGTSTTCC CGCTCGCGTC AGGGACCTGC CCGACTCAGC  
51 GGCGGCCATG GCATCAGATG AAGGCAAGCT TTTKGTGGG

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ug185rcon

1 GGAATTCTCT CCATTACTTA CTTGTCTCTT CTTAGTGAGT GGTAACCGWT  
51 GAGTCTCTAA GAGSTCTGGG GTCATCTCAG GAGTGCTATG CTCAGCTTAT  
101 GCATTATGGC ACCCGGCAGG GGTCACTTTG GGCATGGTCT GCTCCCCAGA  
151 TCAGTGTGAG CACCAGACTG GTGATCATCT CAGGCTCCCT CCCTCTGGG  
201 AGCCCCATAG CACCTGGTGG TTGTCTCARG GTCTCTGTC TTGGAHTCHM  
251 TYCCACACAG CCTGTGGTCC TAGGCAGGAT TCC

ug186rcon

1 GGAATTCGGG AATCCTTACC ATCACACAAA ACTTACATCA GTGCTGTGAA  
51 ATGTAACAGA AAATCTGGGG ATGCCCTGACT TTKGTTATTT CCCTGGTATT  
101 TTATTAAGCT TGAGTATGGT TAATATTAT GCTGGCGTTG CATTAATCTC  
151 AAAAGATTAG CACCTATATT CCATGGATTCTCTCGHGCTT TAGTCCAAAT  
201 ATTTTTAACCG NGGGCATGGC AGTACACCAC CTTAAHCCC AGCACCTGAG  
251 GGAGGCAGA

ug187rcon.

1 GGAATTCCCA GACTGAGGAA GACCCGGAAA CTCCGGGGCC ACGTGAGCCA  
51 CGGCCACNGC CGCATCGGTAGCAGCAGCAA GCACCCAGGC NGCCGCGGGGA  
101 ATGCTGGAGG CATGCACCAC CACAGGATCA ACTTGACAA ATATCACCCA  
151 GGTTACTTTG GGAAAGTTGG TATGCNGCAT TACCACTTGA AGAGGAACCA  
201 GAGCTTCTGC CCAACAGTCA ACCTGGATAA ACTGTGGACA TTGGTCAGCG  
251 AGCAGACACG GGTCAATGCG GCAAAAAACA AGACTGGNGT NNMTCCCATC  
301 ATTGATGTTG TTCAATCAGG CTACTACAAA GTTCTGGCA AGGAAWVT  
351 CCCTAAAGCA ACCTGTCATC GTGAAGCCAA ATTCTTCAGC

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ug188rcon

1 GGAATTCGGA GAACTTCACT TCAATCAGCT TCCGAGGGTT TAGGGATCGA  
51 TGCCAGTACC TGCAGGTGCC CACAGGCTTT GGCAACACCA CTCCGGCAGT  
101 GTAAACAGCT TGGAAAATGC CCTCCAGGTG GACCCGCCGG GTGATCTCTC  
151 GGATCAAAAC TGGAGCCACC CTCTTAGAGC GCAGCTTCTT GTGGACACAC  
201 AGGAAGTTGA TCTCCACCAT CTTCTTCTCT GTGTATAGA TGTGGATGTT  
251 TGCTGGGATG GCACTGATGA ACCCAACCAG TTTCCGACTT GAGACCACTC  
301 GGACCCCACA GTGCCACTGT GGGAGCCAAC CTGGTKGCCB GAGAGCCCAC  
351 AAGAGARACT TCTDGGRRAA TAGTCGAATC GGAACATATK GTCATCATCT  
401 TCCACGGTAG TTTCT

ug189rcon

1 GGAATTCTTT TCTATTAACG ATTTCAATCT TCATGAAGAC AAAGGGACAA  
51 TAAGAGATGT CATGACCCCCA ACACCTAGGG TAAGCAATTT TTGTKGCATT  
101 TGTTATTAGC TGTTCTTGAA TTAGCTTATT CAAATTTCT TACAGGAGCC  
151 AAAAAGGAGG GAGAGACACC CAATTGAWT ATTTAAAAT TTAAACAAAG  
201 AAGTAAACAA ACCYGTAAA AKGTTTCACA TAGCACAGTT TGGGGAGGGA  
251 GAACAAATCA TTTTCTGVCC TTC

ug190rcon

1 GGAATTCCCC GGCTCGAGCN NGCCGTTTT TTTTTTTTTT TTAAAGCAA  
51 ATCTTGGAAAT ATTCTTCCCA TATCATATAT TTTATTAGAC AATATTATGA  
101 TTTTGTCTG GTCTTAATA CCCAAAGGGA TGGCTGTCCA CTAACCTAAA  
151 ACCACCAGKT CCTTCACTAC CTACAACAGT TTAGRATCAG KTTAAAACC  
201 CCTTTCTCAT CAAGRGGCAG GACAATTAA

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ug191rcon

1 GGAATTCTTT TTTTTTTTTT TTTAAATTC AGACAACCAA GTTCATTGGA  
51 AGTGTATGTA AAATAGAAGG TAACCTTCCT GCAGGAGAAC CAAGGGGCTC  
101 TCCTGTGAGG TAGTGCCACG TTATGAAAAC TATGAAAAC GAAAAGTATC  
151 CTCCCTTTG CAAAGGTTCT AAGCTGTGTT ACAGATACTT ACAAGAGGTT  
201 TAAGATGTGA GTGAACGTGT CCCTATTGTG TTCTCATTTA TAGCCTTTTC  
251 TATGAACTGG TGATGTTTG AAGTATGAGT TTATGAAGTC TCTTGTGAA  
301 CCTGGACTTT TATTCTAAA GTTGAACYK GTGTGACACT AGAGKTTACC  
351 TGAATACAA

ug192rcon

1 GGAATTCCCC GAATTGTAAA TAACTTCATA TTGGGATCTG CATTAGGTGG  
51 AGGGCTTCTC TGCA GTTCTA TTCTGCACC AGACTGTTGG CTTATGCTTT  
101 TTATGGTTTC ACCTCCTTT TYCAATGATC AGTCCAGTTT TCCCAGTTGG  
151 CACAATGAAA TTAAACTCCT GGNNTCCACC CGGGGGCCCC ATATTCCAGT  
201 TTCCTTGACC TCTACCTCGT CCTCGACCAC CAGGTCCCGG TCCACCAGGA  
251 TTGCCAGCCT GAACACTTCG TAGAAGGTCT GTGATTATTT CTGCAGCGTG  
301 CTGACACCTG TYTGGAGGTC CTGTTATCT GTGCCATWCC TAWTCAGGTG  
351 TTGTTCCATC AT

ug193

1 GCGGTTAGGC GAGCAGCGCC TGCCTGAAGC TGCGGGCATT CCCGATCAGA  
51 AATGAGCGCC AGTCGTCGTC GGCTCTCGGC ACCGAATGCG TATGATTCTC  
101 CGCCAGCATG GCTTCGGCCA GTGCGTCGAG CMGCSCCGC TTGTTCTGA  
151 AGTGCCAGTA AAGCSCCGGC BGCTGAACCC CCAACCGTTC VCCAGTTGC  
201 STGTSGTCAG ACCGTCT

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ug194

1 GAATCCGCGG GGACCAGCCC GGCAGAATGG CTCCCGCAAA GAAGGGTGGC  
51 GAGAAGAAGA AGGGCCGTCT GCCATCAACG AGGTGGTGAC CCGAGAATAC  
101 ACCATCAACA TTCACAAGCG CATCCATGGA GTGGGCTCA AGAACGCGTGC  
151 TCCTCGGGCA CTCAAAGAAA TTCGGAAGTT TGCCATGAAG GAAATGGGA  
201 CACCAGATGT RCGCATTGAC ACCAGGCTCA ATAAAGCCGT CTGGGCCAAG  
251 GGAATAAGGA ACGTTCCATA TCGCATCCGA GTACVCTTGT CCAGAAAACY  
301 GTAATGAGGA TGAGGATCCC CAAAC

ug195

1 GGAATT CGGC CCTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT  
51 TTTTTTTTTT TTTTCCATT TTAGTGGACA TCTTATTGT TTAATAGATC  
101 ATCAATTCT GCAGACTTAC AGCTGGGATT TCATCAGATT GCCATGCTGA  
151 GTCAAGAAC A GTGAGTGACG AAGCTAACCA GAGGCTACAT ACGTCAGAGA  
201 GAGAGCTCAG CCTTACAGC TCACCCCTT TCTCAGGCAG AATATAAATA  
251 GACGCCCTCT ACAATGCACA ATGGTTTAG TCACTAAGGA ATTAAATGG  
301 GATCTGAAG AACACAGACA AATCCTGATG CAGTAAAGAC GAGCTGAGAT  
351 GCTGTGCAAC TGTAAAGGG TTCCTGGTGC CACATCTCAG CCACTAGCTG  
401 AATCTTGCCTAACACCAAA TGGAGAWGTG GAAAACACTA GGTTGACTTA  
451 GGAGCACAGG AACCAAAGGC GGGAAAGAAA ATACTAAACA TTGCTGAGAG  
501 CATCCACCCCC AGGAAGGACTT

100/472

ug196

1 GAATTCGCTA TGAGAAGGTG GCGAGACTGC AGAAGGTGGA GACAGAAATC  
51 CAACGGGTCT CAGAGGCTTA TGAGAACTTG GTGAAGTCAT CTTCCAAAAG  
101 AGAGGCTCTG GAGAAAGCCA TGAGGAACAA GCTGGAGGGC GAGATTAGAA  
151 GGATGCATGA CTTCAACAGA GATCTGAGAG ACCGTCTAGA GACTGCCAAC  
201 AAGCAGCTGG CAGAGAAGGA GTRCGAGGRR TCCGAGGACA CCAGGAAGAC  
251 CATCTSGSAG CTCTTGCCA AACATAAAGA AARCCAGCGG GAGAAGGAGA  
301 A

ug197

1 GAATTCAAAC ACCACTACAA AAGACACTCT ATCAAAATCA GAGTAAGAAA  
51 AATATGAAAAA CTTCTTGCT TTCTGATTAT CTTACGTGGA ACCGGAAGGA  
101 AAAGCTAGTG AGAGGATATC AAGTCACTTC TAACAACCAC AGAGTTATAA  
151 ACCTATCTGG TGTTGAAAAT CAACATGAAA ACGAACCACT CACTTGACT  
201 AAATATAAGG CTGTTGTTA CATGCCTTAA GGAACCACTG CCATGTTCAA  
251 CATGTGGCAA AAAGACAGGG CATGTTGGA ATTCACTTT AAAACATCCT  
301 GTCTGAATGT ACCTTACTCC GAACTAAGTC ACATTTCTA GAGGTCCCAT  
351 GAGAAGAAAG TWAAGGATAT CGGTACATTA CTCTAACAAA AACTCAGTT  
401 AAGCATTACC GTGGCTGTT ACTGCTAATA ACTAGAGRGG CATGTTAACG  
451 TAGGGAAGCT AAGGTCAAGCA CGACGTCTGT AAA

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ug198

1 GAATTCAAGG TTTGGATAC CAAAAACTAC AAGCAGACTT CCGTGTAGAT  
51 ATGTTGATGA AGATCCTGAC TCTCTAGGAT TGTACTTTGT GCTTCAACTA  
101 TTCAAGGCAT AGCATGAATG GACGTCCATC TTACAAAATA ACCTGTGTGA  
151 AGATGAATGA TTCGGCCTGA AGCAGGGAAG TTGATCAGTA TTGATTTGTC  
201 TGCTCTACA AAGTTCTGAA CAGCAATGAT ACGCCCAGTT TTCTGCCTTA  
251 AGTGGTTGTT TTCCCTTGTA GCATTGTACT GAACTAGATT AAGAGGACAA  
301 AATTAATGAA TAAGGTGTT CHTGAACCTC TGTACGCAC GTCTACTCAA  
351 CATTATCCAT ATGATTCTTA CCTGATCCAT GCATTATTAT ATAGTTACTA  
401 ACAAAATGTGA AAWTACTGAT CCTTGCTCT GAACTTGACA TCCAGAHCYC  
451 AGATTCTCA TTTATTCAC

ug199

1 GCTGGCGCGG ATTCTTAHT CACTGATAAG TTGGCTGGAC AATATTATGT  
51 TTATCAGTGA TAAAGTGTCA AGCATGACAA AGTTGCAGCC GAATACAGTG  
101 ATCCGTGCCG CCCTGGACCT GTTGAACGAG GTCGGCGTAG ACGGTCTGAC  
151 GACACGCAAA CTGGCGGAAC GGTTGGGGGG TTCAGCAGCC GGCCGCCCTT

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ug200

1 GGAATTCCGGC AAACGCTCAA CTACTGAGCT ACAGTCTGAG CTCAGTATAA  
51 TTTTAAGGA TTTTACCAAT GCTTAAATGC TGTTGCTTGA TGTTACTACT  
101 TATCCTGGTA TAGATGGTGA AAATTTCAAG ATATGTGGAT TTTTATCATT  
151 AACATGGAAA AAGAAAATTA GTTTAAAAAA GTTATGGATG TGTCTGTGTA  
201 GCAGGTGCAT GCATTGCCTA TGGAGTHCAG ATGTGGGTAT CAAAGTCTCT  
251 GTAAGTGGAG TTACAGATTG TTGTGAAC TG TCATGAGAAT ACTTGGAACT  
301 GACACTGGGC CCTGGGAAGA GCAAGCAGTA CTCTCACTG CTGAGGCCATT  
351 TCTCCAGACA GCAACATCCT AAACMGGTAT TCTGGAATCC CACACCCCTA  
401 GTCATATTT CAGTTAGGCT AAAAGATTCA CTCATACTT CTCCTCTTAT  
451 ACAGGAATCT GTGTATCTCT GTACAGA

ug201

1 GGAATTCATC CTTCAAATT ATAATCATT TGATAGAGGT ATTTAATAT  
51 ACATGCTTTT AAAAACAAAA CAAAAAACTA CTGTCAGTAT GAATACTGAG  
101 CCAGACTGGC ATATATAGAT TTAACATCTT GTCCTACTAA GATTCTTAAC  
151 TGTATAAAAA TAATATGGCT TTAGACATA TAGGATACTA ATTTCAATGA  
201 GACCCTTATC TCTTATTGA ACATTATGTT AGGGACAGTA AAAGCCATGC  
251 ACTTACCTGC TACCCATTGG AAAATAAAAC GACTGTCCCC AACCTAAGTA  
301 AGTATGAAAA TTAGGCTAGC CTTATTCAT CTTAACTAC TAAAAGTAAG  
351 TCTATAGAAC TTAAAATTAA AGCACTATTA GTTGTATGG CTATATTTA  
401 TTTTCCAAAA ATTAAGTTAA AAGTCATTAA TGTCATTGAT TATATACATG  
451 TATGTTTTTC TAATAATTAA AATACCTTTC AAATCCATGG AATGTCTGGC  
501 TTTTAAATGT AATTGACCT TTYCGCCYTG ATTTT

103/472

ug202

1 GGAATTCTC TGGTCATGGG CAACATTATC AACTGGTCGC TGGCTGCATA  
51 CGGACTCATC ATGCGCCCCA ATGACTTTGC TTCCTACTTG CTGGCAATTG  
101 GCATCTGCAA CCTGCTGCTT TATTCGCCT TCTACATCAT CATGAAGCTC  
151 CGGAGCGCGA GAGGATCAAG CTCATCCCTC TGCTCTGCAT CGTCTGCACC  
201 TCCGTGGTCT GGGGCTTCGC GCTCTTCTTC TTCTTCCAGG GACTGAGCAC  
251 GTGGCAGAAA ACCCCCCGAG AGTCCAGGGAG GCACAACCGC GACTGCATTY  
301 CTYCTCGACT TCTTGATGA CCACGATATCTGGCACTTCTGTCCTCCAT  
351 TGCCATGTTT GGGT

ug203

1 GGAATTCCAC ACATGCACTT ACTCATGCAT GCATGCACAA ACACATTACT  
51 ACTGATACAG ATGTCAGTAT TCCCAGAAAG AGAGTTCAAAGAGATATTATG  
101 ACTGTATTCC ACGTATTCAA AAATATCAGT TGAATAAGAC TAAAATTAAG  
151 CTTATAGCAA AAAACTACAC ATAGTGTAAAC AGGAAGAATA CAAGAAGTTG  
201 ACAGCAGGCT ATACTATGTC ACAGGTTGGT GACCATGGAG ACAGTGACTG  
251 CTCAGCAGTA GGAAGTGTGC TGAGTGAATC ACTGAGACAA ACTTCTTTT  
301 AATGGGCAGA ACATCCGTGA ACTTCCTTA ACCAAATAAT ATATAGTTGG  
351 AAAAGTCAAAGAAAAAGAA TACCTAGAAA AGTAATATCT GAAAATTTTC  
401 CAAATTTGT ACAAACCATG AATCCATATA TTCAAGCACA AGAATCAAAG  
451 AAAGAATTAC ATTTAAGATT CTAAAAGATG ATTAGAAAGA GAAAATTATA  
501 AATAGTTATG TGTTATTTAA AAAAAAAAAT CTATGACGAC TAAGGCTGGT  
551 GGTATATACC TTCACTCCTT GAACTCAGGA AGCCBAGGCA GGTARGGTGT

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ug204

1 GGCGCGGATT CTTTATCACT GATAAGTTGG TGGACATATT ATGTTTATCA  
51 GTGATAAAAGT GTCAAGCATG ACAAAAGTTGC AGCCGAATAC AGTGATCCGT  
101 GCGCCCTGGA CCTGTTGAAC GAGGTCGGCG TAGACGGTCT GACGACACGC  
151 AACTGGCGG AACGGTTGGV GGTCAGCAG CCGGCCTTA CTGGCCTTCA  
201 GGAACAAGCG GCCTGCTCGA CGCACTGGCC GAAGCCATGC TGGCGGAGAA  
251 TCATACGCAT TCVGTGCCGA GAGCCGACGA CGACTDGCGC TCATTTCTGA  
301 WCGGGAATCC CGCACYTTCA GGCAG

ug205

1 GGAATTCGTA AGAACAAAGCA AAGATTAAAC CTTGTACCTT TTGCATAATG  
51 AACTAACTAG AAAACTTCTA ACTAAAAGAA TTACAGCTAG AAAMCCCAGA  
101 RMCAAACDAG CTACCTAAAA ACAATTTAT GAATCAACTC GTCTATGTGG  
151 CAAAATAGTG AGAAGATTT TAGTAGAGGG TGAAAARCCT AACAGCTTGG  
201 TGATAGCTGG TTACCCAACM TGAATTAAAR TTCAATTT

ug206

1 GGAATTCGTC TTGTCTGGAC AAAAATGGTT GGTTTAAAAG GCCAAAGAAA  
51 GTGCTGGTAG AAATGAGAGT ACTAATTAGC CTCCAAAAAG AGACTGTTCT  
101 CATTGTCTTT GTACCTCAGC CATAGCCTGG TGCACTGGGC ACATGGTCAG  
151 TGTCTCAGAA AATGTTGTT GAATGAATGT TGTTGTTG TTTGTTGTT  
201 TGTTGAATT CTGGAAATTAA TTTGTTGAAC ACAAAGACAC CCAGCACCTA  
251 CTGGGTGCTC ACTGTTGTGA GAGACTAGGG CTGGHHVCTG GGCAGTAGGG  
301 ACAGCCTCAT TGGCTAATTAA AGGATTTTT TGCAATTCCV GGCAGTTAC  
351 AAGGCACCTT CTTGTGAGTT ATGTAGT

105/472

ug207

1 GGAATTCCCC TAATCTCCATT AACGAAAAT GACCCAGACC TCATAAACCC  
51 AATCAAACBC CTAGCATTCTG GAAGCATCTT TGCAGGATT GTCACTCAT  
101 ATAATATTCC ACCAACCCAGC ATTCCAGTCC TCACAATACC ATGATTTTA  
151 AAAACCACAG CCCTAATTAT TTCAGTATTAA GGATTCTAA TCGCACTAGA  
201 ACTAAACAAAC CTAACCATAA AACTATCAAT AAATAAAGCA AATCCATATT  
251 CATCCTTCTC AACTTACTG GGGTTTTCC CATCTATTAT TCACCGCATT  
301 ACACCCATAA AATCTCTCAA CCTAAGCCTA AAAACATCCC TAACTCTCCT  
351 AGACTTGATC TGGTTAGAAA AAACCATCCC AAAATCACCT CAWCTCYTTC  
401 ACACAAACAT WAACCACTT AACAAACCAAC CAAAAAGGGCT TAATTAAATT  
451 GT

ug208

1 GGAATTGAA AAAACAAAAA AATTCTGCAT GCTCAGATGC ACAGACTAAG  
51 ACTGGGTAAC ATAAGCCATG CAATTGCCAA CGTGCTACCA TAATATATAG  
101 TATAGTGAGT ATTGTCACTA CATGACAGTA TTCAGTGCAA TAGTTATGTA  
151 AGATTTACTG AATTGAAAG AATTGGAATG CATATAGGAT ATATTTGATC  
201 AGTTTTCTTA CATTAGCAT ATTTATATTA CCCATCTTAT TTGTGTTATC  
251 TCTAATGTTT CATTATGGCT CGAGCCTTAT AAATTAATGT CACTCACAAA  
301 TTCTTATTAG GGAAAATAGC CGTATGCTAC CTGCTAATAC TTACCAAATT  
351 AGTATCTTAC TTCAAAAGAT GTTTGCTAA AATTTAATA AGGAAATAGC  
401 ATGCTATATT TTCTAATTT AATTATATGT GAACAAGTCA ACATAATTAA  
451 TATGARTTTA AATCTCCAGA TACTTCAGAA ATTGGTGCTT GTACACGTC

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ug209

1 GGAATTCA GC AGAGCACACT CCCAAGTGCA CAGATTAAC ACAGTAGCGA  
51 CTATTTGCAT TTACAGGACT TTTCAACAAT CTGAAAAAAG ATCAACTGTT  
101 GAAGATCTGT AGGTATGTTA CAAAAACCAC TGGAGTTCTT GTACAACAGT  
151 ATGCGTTCTC AGCAAAACCA ACACCAGGAG ATCCGCATGG CAACTGAGTA  
201 ACCGATCCAC TCCCGCCAAC CCAGGGGCAG GTCTCCGTGA GCTCTAAGCT  
251 GTCTTATACA AAAGTTAAGG CAAAGTCATT TTCAAGTTA AATAAAATTC  
301 AAGTCTTAA ATATTGGAT GGAAATAATT TTTTYCCTT AGAAAAAAA  
351 AAAGRRAAAA GAAACCAAAA CAACCTTCAG TCTCATTAAA WAGCATT

ug210

1 GGAATT CGTT TTATCTTAAA ATCATATGTT TAAGGCAGTA AGACACTAAA  
51 CCAAAACAAA AAACAAAAAA CAGGGACATT TTAACAACTC AACTCCCATT  
101 GTTCTCTGTG GCATTTATTTC AGCAAGCACA TGGAAATAGC AAAMGAGAAT  
151 CTACAATAGC TGTCCCAAAT GCAATTACAC ATG

ug210

1 GAATT CGTTT TATCTTAAAAA TCATATGTTT AAGGCAGTAA GACACTAAC  
51 CAAACAAAAA AACAAAAAAAC ARRACATT TAAACAACCA ACTCCCATTG  
101 TTCTCTGTGG CATTATTCC AGCRAGCACA GGAAATAGCA AAGAGAATCT  
151 ACAATGCTGT CCCAAAGCAA TTACACRTGG AAAGWTTACC AATGCAGGGC  
201 TGGGSTTGA AAGCCAAAGT GTTAGTGMAG AWACAGAGCT TGACACCTAG  
251 CAAGRAGARA CGAGTTGGA GCSTTGGTGC TCAAGTMTTG AAAGATTGAA  
301 MTMTTTGAAG TMGTTATT A GTCACTAAAG GTCACTATGM AATAGTTGCR  
351 ACTTTAGGTG TAAATCTGTG TGGGGAGTTT TTATAGCCTT TGGCAG

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ug211

1 GGAATTCCCC CCTTTTACCA GTGGATGGAC ACAGAGAACT TCGTGTGCCCC  
51 TGATGACGAT CGCCGTGGCA TCCAGCAACT TTATGGAAGC AAGTCAGGGT  
101 CACCCACAAA GATGCCCT CAACCCAGAA CTACCTCTCG GCCCTCTGTC  
151 CCAGATAAGC CCAAAAACCC CGCCTATGGG CCCAACATCT GTGACGGGAA  
201 CTTTGACACC GTGGCCATGC TCCGAGGAGA GATGTTGTC TTCAAGGAGC  
251 GATGGTTCTG GCGGGTGAGG AATAACCAAG TGATGGATGG ATACCCAATG  
301 CCCATTGGCC AATTCTGGAG GGGCCTCCTG CATCCATCAA TACTGCCTAC  
351 GAAAGGAAGV MHCAAATTG TCTTCTCAA AGGAGATAAS ACTGGGTGTT  
401 TGACGAA

ug212

1 GGAATTCCCG GCTCGAGCGG CCGCTTTTTT TTTTTTTTTT TTTTTTTTAA  
51 TCATTAAGGT AATTTTATTA ATATAGATAT CTGCAGATCA AGTGAATGGT  
101 ACTAATGAAT AGTTTGGTG ACCTCACCCCT CTCATGTATA AACTGAAGA  
151 TTCTTCCACT CCATGTTCAC TCCAGACTCT CAGTTTAAA GCAAGCATCA  
201 CAGAATACCA GGCTCTTACA GTGATCGGGGA GCYAGAGCTC TTACACAAAG  
251 CCATACTCCA CMHGCTGACA GTTTCTTAG TAATACATAT AGTACTATCA  
301 GATAACTCAT TCCAACAACA AAAAATTAAHH CATTATGTCA ACCAATTGCB  
351 CCAT

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ug213

1 GGAATTCAAGC AGAGCACACT CCCAAGTGCA CAGATTTAAC ACAGTAGCGA  
51 CTATTTGCAT TTACAGGACT TTTCAACAAT CTGAAAAAAAG ATCAACTGTT  
101 GAAGATCTGT AGGTATGTTA CAAAAACCAC TGGAGTTCTT GTACAACAGT  
151 ATGCGTTCTC AGCAAAACCA ACACCAGGAG ATCCGCATGG CAACTGAGTA  
201 ACCGATCCAC TCCCGCCAAC CCAGGGGAG GTCTCCGTGA GCTCTAAGCT  
251 GTCTTATAACA AAAGTTAAGG CAAAGTCATT TTCAAGTTA AATAAAATTC  
301 AAGTCTTAA ATATTGGATG GAAATAATT TTTTCCTTAG AAAAAAAAAA  
351 AGAAAAAAAGA AACCAAAACA ACCTTCAGTC TCATTAATAA GCATTTGTG  
401 GAATAAGCTG TATGGTTACA TATAGCAGGA AATAGTTAA TGCTGCTGC  
451 TTAGAATACT TAAAGAAAAA TCTTAGGCGT TTTAAAACAA AATAATTAT  
501 CTGTAACTT ATTATGAAC TGCTAACTTG ACTGCACTCT CGCTCCTCAG  
551 AAGTGCCGCT TCTGACAATC TAGGA

ug214

1 GGAATTCCCG GCTCGAGCGC CGCTTTTTT TTTTTTTTA AATGCCATAG  
51 CAGTAGTAGT TGGGTCTGGT GGTGGCACAC ACTTTAATT CCAGCGCTTG  
101 AAAGGCAGAG ACAGGAGGGAT CTCTGAGTT TAAGGCTAGT CTGGTCTATA  
151 GGCCTGCAAG GACTTGAGGG GAAATAAAAG GTCACTACAA GCCATTCTT  
201 ATTTAACCA ATAGCATTAA ATTGTGCCTA TAGTGATTCT TAGTTGAGAC  
251 ATTGTTCAGA ATGACTTCAT TCTGTATGCT TTTGCCTATG TCTGTGTTGT  
301 ATGCATTAAA TATTTGAGT GACAATCTT TAGTAATTAT ATTTTTCCA  
351 CAGAATAATA AAATATAGGA ATCTTAAGCA GTGTATGTAA CAATATTTTC  
401 CTTGACGTAG ACAGCACATA CTTTAAAAT ACAACTTAGG CAAGCAAACA  
451 CTTTGTACT TAATAATTAA ATGAATAGAA GTTAGTTTG TTTTAGTCT  
501 TAAGGGTGAA AAGGTAACTC AGGCTTAAA GCAAGACMGC ACCAAGTGCG  
551 AGCTGTGATG TSCCAGCAGT GTAACCTTC CCCACCCC

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ug215

1 GGCGCGGATT CTTTATCACT GATAAGTTGG TGGACATATT ATGTTTATCA  
51 GTGATAAAAGT GTCAAGCATG ACAAAAGTTGC AGCCGAATAC AGTGATCCGT  
101 GCCCCTGGAC CTGTTGAACG AGGTCGGCGT AGACGGTCTG ACGACACGCA  
151 AACTGGCGGA ACGGTTGGGG GTTCAGCAGC CGGCGCTTA CTGGCCTTCA  
201 GGAAC

ug216

1 GGAATTCGTC GAGCGGCGCT TTTTTTTTTT TTTTTTTTTT TTTAACATA  
51 AGCAGGCATG GTGGCTCAGG CCTGTAATCC CAGAATGTGG GGCTGCAATA  
101 GCATGTCACT GTGACTTTW VCCCATTCA AAAATCCACT TAAACCATCC  
151 CCAAAACGAG TGTGAGAGAG GATTACAGAT AACTAAGTAA AAAATGTCAG  
201 TGGTCACCGT TATCTATTCC TGGGTCAAGAA GCGGCATGTC CATGAAGGC

ug217

1 GGAATTCCA CGGTTGAAAA CTTCTGGATT AGAGATTAG AGCTGTGCTT  
51 CTGGCAACTG TGTTCTTCCA TGGTGGACTT CCAGCTAAAC AGCACTGATT  
101 CTTGTCCCTG TCATGTCAGA TACTGCAGGG TACTCACTCA CCACAGTAAA  
151 GTCATGCTT CAAAACCACT CACAGCTACT CAAAGGCAAC GGCAAACAAG  
201 CCCCAAACAT CTCATGGCTA TATTAACCTG GAATTCTGTC ACGTCAGGAG  
251 CATTCTTATA GACAAAACAA TGTAACACTT AGGATTTAAC AACACAGTAC  
301 TGGTGTACG CCCAGAATCT TACCCATCAT CCCAGAAGAG ACCAGCACCA  
351 AGGGTCAGAG GATGGAATT KCCATACAAG ATGAGGGAC

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ug218

1 GGAATTCCCG ATGCTGCTTG GAAGCCTTGG CTGAAACVCT ACCACAGCCA  
51 GACCTACGGC AACGGGTCCA AATGTGATCT CAACGGGAAG CCCCAGAGAAG  
101 CTGAAGTTCG GTTCCTGTGT GACGAGGGTG CVGGCATATC TGGGGACTAC  
151 ATTGACCGAG TAGATGAACC CGTCTCCTGC CCTACGTACT GACCATTSC  
201 ACGTCAAGVCTCTGCCAT CCTCTCCT

ug219

1 GGAATTCGGC GCACACCTT AATCTTAGCA CTTGGTAGGC AGAGGCAGGT  
51 AGATTCTAA GTTTGATGCC AGCCTGATCT ACAGAGTGAG TTCCAGGACA  
101 GCCAGGGCTA CACAGAGAAA CCCTGTCTCA AAAAAACAAA ACAAAAAACA  
151 AAACAAAAAA AAGTATGGGC AAAAGAGAAG AAAAATATCC CGGAAAGAAC  
201 AATATAAAGA ATGATGTTCC CTTGACTGA GGGGCTTGC ATATTACAGG  
251 GATACCGGCC TGAGACAGCT GCCTCAAGAC AGGGACAGCG AGCCTCCTCA  
301 GAGTCCACTT GTTCCAAGTC CCAGAGTCAC CCCCTATVYC TCGATATTGT  
351 ACCTTAACA CMKGTGTTA AATGCCAGG CATWTGACAA ACCAGGGAAA  
401 TAAGTCTATA ATGAGGAAGA AATTGTTCC

ug220

1 GGAATTCCCT ATAATTAATT AGAGGTAAAA TTACACATGC AAACCTCCAT  
51 AGACCGGTGT AAAATCCCTT AAACATTTACTTAAATTAA AGGAGAGGGT  
101 ATCAAGCACA TTAAAATAGC TTAAGACACC TTGCCTAGCC ACACCCCCAC  
151 GGGACTCAGC AGTGATAAT ATTAAGCAAT AAACGAAAGT TTGACTAAGT  
201 TATACCTCTT AGGGTTGGTA AATTCGTGC CAGCCACCGC GGTACATACGA  
251 TTAACCCAAA CTAATTATCT TCGGCGTAAA ACGTGTCAAC TATAAATAAA  
301 TAAATAGAAT TAAAATCCAA CTTATATGTG AAAATTCAATT GTTAGGACCT  
351 AAACBCAATA ACGAAAGTAA TTCTAGTCAT TTATAATACC CGACAGCTAA  
401 GACCCAAACT GGGATTAGAT ACCCCACTAT GCTTAGCCAT AAACCTAAAT  
451 AATTAAATT AGCRAAAACT ATTTGCCMGA GAACTACTAG CCA

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ug221

1 GGAATTGGCA CCAACACGCA GGATTACATC TTCTTCAGTT CCTAGAGTCC  
51 TCTAGAAGCC TATAGAACAA GACGGCAAGC TCTCTGGGCT TGCTCTGGGG  
101 TTTTGTCTG TGTTTATGT TGTTCTGTT GTTTTATTAA CATCAGTGTC  
151 TCTTAAGATC CAGGACCCAG GGAGGTCTT TCACATACAT ATACCAGGAC  
201 TCTTGGGTAC TACTGTCAGT CTTGGGAAAG CAGGCTCCTC CATCGGAAAC  
251 CAAATCCATG TAGCACTCCG AAHCCTTGGT TAGTCCTATG ACCTAAATAG  
301 TTAAACTTCA GAAAATGGTT TCAACAGATT CYSTCCGAG TGTTTGAA  
351 ATTGCATTTG TATTTGCTGT

ug222

1 GGAATTGTT TTTGGTTTG TTTGTTTG TTTGTTTG TTGTTTGTT  
51 TGAGAAAGGG TTTCTCTGGC TGTCTGGAA CTCACTCTGT AGACCAGGCT  
101 GGCCTTGAAC TCAGAAATCC GCCTGCCTYT CCTCCAAGT GCTGGAATTA  
151 AGCACCAACCA CTGCCTGGCC TCCTTTTTC TTCTGAAGGG TTTCCCCTC  
201 CCCTTCCCT CCATCACCGA CTGATCTCA GCAGCAATT TTCTTCCCGT  
251 TTCTTCTGTT CCTCTTYGGA GAGGATCTA CCCTCTGAA GAAAGGAGGC  
301 CTGCCTCTGC CTCCAAGTG CTGGAAGAATTCCACAC

ug223

1 GGAATTGAA GTCTGAAGGC ATTTAGACA GGAGACTGAG AAGTACTGAA  
51 GAATGGCCTA TACAGAGTTT AGAGCACTAG CSGTAGCGTA CAAGACTGCG  
101 TTCRGTCTC AGCACCAAGA AATAAAGGTG TCAGTSAGAG TAGGATTATC  
151 AAGCTCTTGC TCCTGACCGA GCACTTGTCC CGACCAACAC CAGTGCACAA  
201 CACGTAGCTG CTGAGCCTTG TGGCTGARCC CTTCCCKKCC CCCATCCTCT  
251 CCATCRCTGG ACTTGGTCTG CTTCTTGAAA GCCTGGACTT AAGTCCTACA  
301 GATCCTTCTC TGTGTCAGCT TCTCTTTGT CAGAGTGTCC TCTGTGCTTC  
351 TGGCTGCCTC CGTCCCCCTC TCAATCTCCT TTCTTTCATG TTTC

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ug224

1 GGAATTCTA TAGACACATC ATGACAAGCA TGCCCACAGG GTACTAAGCT  
51 TTTCGGCTTA TAAAAACTAG TGCCTATAAC TGTGTTGCCT GGTCTTAGC  
101 AGTCTTCTAC ATTTGTTAAT TAAGTTAATG GAAGGGATT GCACCCAGCT  
151 CAACCTCCAA ATGAAATAAT TTTGTTCAC A TATCTTAGCA GCTTCTAGCA  
201 ATCGAGTCAT AGGAGTTGAT TACAGAGCAA GCGCTGTGTC TTCATCTCTG  
251 TGCTTCTGCC CTTAGGTCCA AAAGAAGAGG ATGAGCGGCC TTWGGCTTCT  
301 GCGCCTGADC AGCCAGCCCT TCWTMCAGAG GTGGTAACCA GGATGCAGTT  
351 YCCACAGGTG GGCCATCCCT CTTCCAGCCT GCGAGTCACA GCCAGGKGCA  
401 GATGGGAWAC AAGAAGTCAC AGACTGTGAG GTCAACAATA TG

ug225

1 GGAATTCCAA TGATTTGCA ATTACAACAA TCAGTCTTCC AATTTTRRCC  
51 GATGAAGGGA GGAAACTTG GAGGCAGGAR CTCTGGACCT TATGGTGGTG  
101 GAGGCCAGTA CTTCTAAAC CACGGAACCA AGGTGGCTAT ARCRGTTCCA  
151 GCAGCAGCAG TAGCTATGGC AGTGCAGGAG TTCTAATTAC ATACAGCCAG  
201 GTAAGTCCTC CTTGTGTGT GTTDCTAAA TGTTATAATT GAACCCAGTA  
251 ACCCAAATGT AGCTGAGCAG TACAACATAG TTAACATTAT AATTCAGTA  
301 AAATGGTGGA TGTAAAGTTA ATATGCAGTT CCGCCAAATT T

ug226

1 GGAATTCTG AGCCAGAGCC AGAACGACCTC AACACTGTCT CAGAAGATGG  
51 AGACGCCAGC TTAGAAGATC TGGACCCCTGA AGCAGACGAA GCTCCACGAT  
101 CCATCTGGG GAAGCCAGAC TTGGATTCCC AAGATCTGGA TCCCCTGTCT  
151 TCGAGTTCG ACCTCGATCC TGATCCTGAC GTGATTGCC CGGTGCCACT  
201 AGTTCTCGAC CCAAGCAATG ACACCCCCAG CCCTGCTGCT CCAGATAGTG  
251 GATTCCCTTC CTTCTGGGCC TCACTGCCAC CCCGAAAAT CTTGGGCCAC  
301 CAGTCCAGCG GTGCTTCCTG CCCCTGCCAG TCCACCTCGT CCGTTCTCTT  
351 GTGCTGATTG TGGCGAGCC TTCCGT

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ug227

1 GGAATTCCCG GTCATAGGCT GGGAGGAAGC AACAGCGAAG GTCAGGAACA  
51 GAGGCaaaAC ACTTCCACG AATTCCCTT TCATCTGCAC AGCAACAGTC  
101 TACTAGCATG GAAGTCGAGG CTAGGTGCAT TCTGGTCCAT CTACAGTCCG  
151 GTTACCTAGT TACTCCCTCT CCCC GCCACA CACACACACA CAGCTGAGAT  
201 GCCGGCAGGT AACTGTTCC TAAGACATAT GGGTGTCA TT TGTGCACCTC  
251 AGGCTTGTCC AGGAACACCC TATGTVGGGC TAGACACATG GGGCACTCAC  
301 ACTAGCAAAG GGCTGTGAT TT

ug228

1 GGAATTCGAA GGACTTGCCA CATTCTCAC ACTTGTAGGG CTTCCCTCCT  
51 AAATGAATTA TCTGATGATT TTGAAATACT TCTTCCCCA CAAAGATGTT  
101 GCCACATTCT TTGCACGTAT AGCATTTC CCCTGGTGAG TAAGAGTTGA  
151 GAAATGATGA AAACACTGCC AAAATCTGTA TATCTATACT GATAGTTTT  
201 TAAAAAACAAAC ATTTACTCCT ATTTGCATTG GTCTGTATTA ATGAGATGCT  
251 ATATTCAATT TTCTGTACCT GTATTCACTG AACTACAATT TAAAACACAG  
301 GATAAGTGAA AGTCACGTAG ACTCCCTTGA ACAAAGAAGA CAATGGCMAC  
351 ATAGAACAAAG GGAGGGRATA GAATATTAAA TAAAATC

ug229

1 GGAATTCCCG GCACAATGGA AAAGGGAGATA GAAAGCRCRC ACCTCTGGGG  
51 AAGAACGATA ACCTCTTAAA ACAGACTAAA TVGCAGGGCC ACHCTGTGAA  
101 GAT

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ug230

1 GGAATTCAA CTTGTATTA AAATTCACTG AGCATTGACT GTGTGCCTTC  
51 TGTATACAGT TAAGACCAGT TTTGGTGTGG CTGCCATGAC ACCAGAGGGG  
101 GTTGGTGGCA TTGGTGGGGT GGGTGCTTAG TAATGAGGTC AGAGCGACTG  
151 ATAAGGCAA AGTAAAAGAA GCAAAACTAA GTATAGAGAA GGGGTAGGCA  
201 TTCAAACCCC AGAGGACCTT GATTAAGTC CCCATTATA GAGAGTACCA  
251 TCTTGAGAGA CCTTGCAAAG GGCTTGTGC TGCGTTCAAA TGTTATTGTT  
301 TCTCTTGAC ACTGGATGCC CTCAGCATCC CGTTAACTTG CCAATCATGT  
351 CTCTCAGCTA TGCTCATCTC AGCCCGTGG TAGATAGCCT ACCAGCTTC  
401 TTCTGTCTGG AACTTGCCTA CTGAGSTGG A CAGTCATAC CATCCCAGTT  
451 CCCACTGACT ACTACTTGCC TCTGCAGTCA CCCATGGTAG TACTTAGCAC  
501 AGATCTATCT TTGTAATGTG TTTTTAA

ug231

1 GGCAGGGATT CTTTATCACT GATAAGTTGG TGGACATATT ATGTTTATCA  
51 GTGATAAAAGT GTCAAGCATG ACAAAAGTTGC AGCCGAATAC AGTGATCCGT  
101 GCGCCCTGGA CCTGTTAAC GAGGTCGGCG TAGACGGTCT GACGACACGC  
151 AAACTGGCGG AACGGTTGGG GTTCAGCAGC CGGCCTTAC TGGCACTTCA  
201 GGAACAAGCG GGCCTGCTC GACGCAGTGG CCGAAGCCAT GCTGGCGGAG  
251 AATCATAACGC ATTCTGTBCCG AGAGCCGACG ACGACTGGGC TCATTTCTGA  
301 TCGGGAATCC CGCAGCTTCA GGCAG

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ug232

1 GAATTCCCCG GCTCGAGCGG CCGCTTTTT TTTTTTTTTT TTTTCAAAT  
51 TAATATACAT TATTTATTA CAAATTTAAA AAAAAACAAA AAAATGCAAC  
101 ATCCTAAAAA AAATTTTAC TGGTAATACA AATTCTATG AAGTTTTTT  
151 TTTTGCTAGC ATAAGAAATT AAAGAAACCA TTAAATATT AGAACACATT  
201 AACATCAAAA GCTTAAATC TAACTGTAGT TGTAGCCCT GAAAAAGCTA  
251 CAAACTCTTC TTAAAAAGTA TTTCTCTAC AAAGAATCTC ATCAGCTATA  
301 CAAAAATCTG TACAGTTTT ATACTGAVGC TAATGTTGAG CTGCACTTGA  
351 ATTCACATT CTTAGCAAAA TAATTGCCTG AGCAAATATA CTCCACACTT  
401 TAGGACAGCC ACTTATTCTT CATCCTCCTC T

ug233

1 GGAATTCCCCG GCTCGAGCGC CGCTTTTTT TTKGGGGGG CTTACTCCAG  
51 CGATGTCTAT TAGCAGAGAC ATGGGCCAGG GAAGGGTGAT GGATACAGCC  
101 AGGGGTGGGA TATCAGCCTC AAAGTGCAGA GCTTGCTCT GAATCTCAGC  
151 AGGCAGCAA AGGGACTGAG ACAAAGCTCT CCCTTCAAG TTGGCATGGC  
201 AATCAACTTG GAAATCAGGT TCCCCGGGCC TTCTTCTA ACAAAGGATC  
251 CAGCCTCTC CAACTGGTC TCCACTCAGC CCCTGTAGAA AAGTBCTGAC  
301 AGTATTAAGT TCTACTCTTC CCTAAGACCC CAGGAGGTCC TCACCGTGCA  
351 TAGATGTGCC ATCTGTTCTT GAGAAACCAA AGCACTTGT AGTCTTACAA  
401 CCCATAATAC TTACAGTAT

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ug234

1 GGAATTGCT TGACAACCTG CAGGCAGGCT CTGGGAGGCC GAGACATCGG  
51 CGAAGAGAAC AGAGAGTCGG CGGGGACAGA TCTCAAGACC AGAGAATGGC  
101 AGGTGAAACAG AAACCCCTCAA GTAACCTCTT GGAGCAGTTC ATTTTATTAG  
151 CCAAAGGTAC CAGTGGCTCA GCCCTCACCA CTCTCATAAG CCAGGTGCTA  
201 GAGGCTCCTG GAGTTTATGT TTTTGGAGAA CTGCTGGAGT TGGCCAATGT  
251 TCAGGAGCTT GCAGAAGGAG CTAATGCGCG TATTTGCAGT HCTGAACCTG  
301 TTTGCCTATG GTACATRCCC GGATTACATA GCCAACRAGG AGAGCCTGCC  
351 AGAACTGAGT

ug235

1 GCGKTAGGCG AGCAGCGCCT GCCTGAAGCT GCGGGCATT CCGATCAGAA  
51 ATGAGCGCCA GTCGTCGTCG GCTCTGGCA CCGAATGCGT ATGATTCTCC  
101 GCCAGCATGG CTTYGGCCAG TGCGTCGAGC AGCGCCCGCT TGTTCCTGAA  
151 GTGCCAGTAA AGCSCCGGCT GCTGAACCCC CAACCGTTCG CCAGTTGCG  
201 TGTHGTCAGA CCGTCTACCC GACCTCGTTC AACAGGTCCA GGGCGYACGG  
251 ATCACTGTAT TGGCTGCAAC TTTGTATGC TTGACACTT ATCACTGATA  
301 AACATAATAT GTCCACCAAC TTATCAGTGA TAAAGAA

ug236

1 GCGGTAGGCG AGCAGCGCCT GCCTGAAGCT GCGGGCATT CCGATCAGAA  
51 ATGAGCGCCA GTCGTCGTCG GCTCTGGCA CCGAATGCGT ATGATTCTCC  
101 GCCAGCATGG CTCGGCCAG TGCGTCGAGC WGCGCCCGCT TGTTCCTGAA  
151 GTGCCAGTAA AGCKCCGGCT GCTGAACCCC CAACCGTTCK CCAGTTGCT  
201 GTYGTCAAGAC CGTCTCCGAC CTCGTTAAC AGGTCCAGGK CGCACVGATC  
251 ACTGTATTG GCHGCAACTT TGTCATGCTT GACWCHTTACTGATAAAA  
301 CATAATATGT CCACCAACTT ATCAGTGATA AAGA

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ug237

1 GGAATTCCCC GGCTCGAGCG GCCGCTTTT TTTTTTTTT TTTAATTTAA  
51 ATAAATACCC CGCTCCTCCC TCCACCCGCT TACGTTCTCC CTCTTCCCCG  
101 AACATCCAC CCATCCCTGG CTAGACCCTT ACCCCAGAAC TAAATAAAAT  
151 GCCTGTTTA CAGCAGACCA CACTCACTAC CAAATTCTGG GAAAACCTATA  
201 AATACTGTCA CTGTCGGGC CTCTCTGCCT TCTGACTCTG CTCCGGAGGC  
251 AGCCACATTC CCTCCCTCCC GTTGACTGGG CAAGGATGGC AGAGGCCTGT  
301 AGGCACTGGC CTTBGAGAGT GCAAATTAG CCTTGGGTTCTCCACCTCCT  
351 GCTCAGGAGT AGGTAGAACAG GGCCCCAGAA ATTCCCTAG ACTAAAATAA  
401 ATAGCAAAAT AAATACCC

ug238

1 GGAATTCGCA GGTCGCCGGC GAGCCGCGTC CGGAGCCGG CGCCGAGCVG  
51 GCCTGGGGAG GCGGAGGCCA CACCCCGCBC VCGCCCAGGC BCTTCCCGCC  
101 GGTGAATCAT CCCCGCAGCA GCSGCTCCCG CAGTCCGCTG C

ug239

1 GGC GGATTCT TTATCACTGA TAAGTTGGTG GACATATTAT GTTTATCAGT  
51 GATAAAAGTGT CAAGCATGAC AAAGTTGCVG CCGAATACVG TGATCCSMSC  
101 GCCCTGGACC TGTTGAACGA GGTCGGCGTA GACGGTCTGA CGACACGCAA

ug240

1 GAATACTTT ATTAGATTT TATTCTAAAA TTAAGTTGAG AGCVMTTATT  
51 TGTAASGHVG CTCTATTCC CTTGTCCTTT CGTACTGGGA GAAATCGTAA  
101 ATAGATAGAA ACCGACCTGG ATTVMMMC GG TCTGAACCTA GATCACGTAG  
151 GACTTTAAAM CGTTGAACAA ACGAACCTT AATAGCTTCT MCACCATTGG  
201 GRTGTCCTGA TCCMACATCG AGGTCGTAAM MCCTAATTGT CGATATGAMC  
251 TCTTAAATAG GATTA

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ug241

1 GGAATTCCGG AGTCTCCATG CTATGTCCA GGTGATTCTT CCACAGTAAA  
51 ACGGGGAGAC CTCTGGGTTG GAGAGTCAGC GCTGGTCACT CTTCATTCAC  
101 TTGCAGGGAG CCTCAAGGTT AACAGAGCTG GGCTTCTGTG AGCAGCATGG  
151 CCTGGAATGG GGTTTGGCAT GGTCAGCGTA AGATGGTCGA GAAGGTGGAT  
201 CTAAGGACCC TTCCTAGCAT GGGGCAGGAA AATAGAGGTG GCTCCAAGTG  
251 GGCCTTGAGG CCCTAGAGGG TTAAGTGCGB TCTCACAGGA ACCAAGGCCA  
301 AGYCTGGGCC ACAGTTDAGA GACATTCCAC AAACCTGAT CCAATGAWTC  
351 AAGCTATAAG CC

ug242

1 GGAATTCCAC KACHAGGGGA CTTGTTGGTG GTCCCCTTCT ATCTGAATCT  
51 CATACTCAGA CACGCTCCA CTGCTCCCCC GATCTGAGTG CCCCTCTTCC  
101 TGCAAGCGGC TCCGAAGGGC TTTGTTGGGG GTTGTCTCCA TCCGAAGATC  
151 ACTGCTGACT GGAGGCTGCC GTACCTGAGG GCAGTACGGA GGGGAGATTT  
201 CAACAGGATT GGTGAAGAAG CTGCCATCTT TCACCCATHC TGTTGAAATC  
251 TCCCCTTCTA TCTGAATCTC ATACTCAGAC ACGCTCCCAC TGCTCCCCCG  
301 ATCTGAGTGC CCCTCTTCCT GCAAGCGGCT CCGAAGGGCT TTGTTGGGGG  
351 TTGTCTCCAT CCGAGGATCA CTGCTGTCCG AACCTCCCCC GT

ug243

1 GGAATTCTGTG TGCTTGAGC TTTACTAAAG TTTCTTAGT GAATGTGGCT  
51 GCTCTGTAT TTGGAGCATA GATATTCAAGA ATTGAGAGTT CCTCTTGGAG  
101 GATTTTACCT TTGATGAGAA TGAAGTGTCC CTCTTGCTCT TTTTGATGA  
151 CTTTGGGTTG GAAGTCAATC TTATCAGATA TTAGGATGGCTACTCCTGCT  
201 TGTTCTTCA TACCATTTKC TTGGAAAATT GTTTCCAGC CTTCATTCT  
251 GAGGTAGTGT CTATCTTTT CACTGAGATG AGTTYCTGTA AGCAGCAAAA  
301 TGTTGGGTCT TGTTGTGTA GCCAGTTGT TAGTCTATGT CTTTTATTG  
351 GCGAGTTGAG ACCATTGATG TTAAGAGATA TA

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ug244

1 GGAATTCCCC TCCTTGACTT CTTCTTCCC AGCTGGTTTC GAGGTCTCAG  
51 CAGACTTGGC ATTGCCACA GGCTTCTGGG GCTCAGCAGG TTGCKCGTTG  
101 GTTACAGGTT TCAGGGACCC TGAAGGCTGT KCGTTGGCTA TGGGTTTCAG  
151 GGTCTCKGCA GGCTTGGTGT TGCCCACAGG CTTCAGGGTC TCGGTAGGCT  
201 TBGCATTACCTATAGGTTTC BGGGCTCAG CAGGCTKGC ATTGCCTACG  
251 GTTTCAGG

ug245

1 GGAATTCAATT GAGATCGTTC AGGAAACTAT GCATTTCAA GCCATTATAT  
51 AGTCTGGGCA AGATAAGTTC TTATTCATT TGTCTAACAC TCATGTTCAA  
101 GGGAGGCCCT GGTCAGTCT GGGCGCAGGG CTCGCAGATT ACACCTTACA  
151 GCCTCTCATG TTCAGATAAC TGGCAACAAA GCAATAAAAAA GCCGTCCAAC  
201 TTGTCAGTGC GTAGCAGCAA AGCCCTTCAT GTGGGCAGGA CAAAGGGCTG  
251 GCTCTCATTA GATGATTAGC TCATTAGGT CACATCTAGG TCACTTCCAC  
301 CTTTGTCTGG ATTCCAAGGT TAGCCCTCAT CTAGGTGAGG GGATGGGGCC  
351 CCTGTGAAGT CCTCAGAGCT CACCTGGAG AGTTAAGATG GGCACAATGA  
401 GAAACAGGAG AGCAGGGTAT GTTCCTCACC AGAGCCAGTG TTGGCACACT  
451 GGCTCAATCT CAAGAGGTTTC CCCAAATGAG TCAGATTAT AGCTGACATC  
501 AAGGACAGCG TCAGAGACTC TAGTCTGTGA AATCATCACT CTCATTGAG  
551 GGAGACCAGA ACCTAGGGTA CCACCCAGGG AATGTCAATT CCGATAGACA  
601 CAGGRTCGGT AGCCAGTGTG TGTAGTTAGG CTTCGGACTG TTG

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ug246

1 GGAATTCTCG AGCGGCCGCT TTGTTGTTT TTCCTTGATA TTAAGTAGTG  
51 ACAGTTTCT GGATGCAAAA CCACAGACGC ATGCCCTCA GTGCAACAGT  
101 CCTGCGGGAT GATCGGCCTT CTCCAGGGGG ATGTTGGCTT CCAGGCACAT  
151 TTCACAAAG TCCTGGATAA CACTGGCTT CTCTGTTGC GCAGGACTGT  
201 TGCACTGAAG CGATGCGTCT GTGGTTTGC ATCCAGAAAA CTGTCACTAC  
251 TTAATATCAA GGGAAAACCA ACCAACCAAC CAAAAACCCG ACTGGAAATT  
301 AAGCTGAAGA ACCTTATTCA GAGACAAAAT GGAACGATT GTTGTACAG  
351 CACCACCTGC TCGAAATCGT TCTAAGACTG CTTTGTACGT AAMCCCTCG  
401 GATCGAGTCA CTGAATTGG AGGT

ug247

1 GGAATTCCAG TGGGATTCCCT CAGCTCCATG ATGCAATGGT TATCTTTTG  
51 GTAAAGAATA TTCAAGTCCT GACATCATAG TAGTAATGGA TATTACTCAT  
101 GGTATGCTCT CAAGCCCAGC ATGGCACATT CTGTACCCCTC TTTATCACTG  
151 AAGTAAGCAA TGGGTTAAA AATAACGTTG CTTACACACC CAGAGTACCA  
201 ATGATTCACTT AACAACTGAA CAAATACTGC TCTGGACTCC AAAATTATTA  
251 CAGAATTAA TATACAGGAT TTTGAGGCAT AGGGTATTTT CCACCCCTAG  
301 TAGAAGTAT

ug248

1 GGAATTGGT TTTAAGGGA ATTAAGTCTA TGTTGATAGT ACAGGGGGAA  
51 GAGGATATAA AAGTGAATT ATAGTTTCC CAGACCACAA GGCATTGTTG  
101 TGCCTGGTG GCCACCTAGG TCAAGACCAG GATCTCTCTC CTGGGGAGCC  
151 AACAGGAGCC TTCCAAAATT ATCAGGGAAA GAGGTTTCT GTCCCTCAATC  
201 CAGCTTGGGA GAGATTGT TACTGACACA TGATCCTCC CCCACCCAGT  
251 AATGAAGTGT TCTGTGTGCT AACAAATATAG GCTTAAAAAA AAAAAAAATC  
301 BSGCCGCBAA TTTCCACCAC ACTGG

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ug249

1 GGAATTCACTT GAACCCCATG CAATTATACTT GGGTACTTCA ATACCCCTCT  
51 CTCACCAATG GATAGGTCTAT TATAACAGAA ACTAAAGAGA AAAGCAGTGA  
101 AACTAATAGA TGTTATAAAC CGAACAAATC TGATATCAAT GGAATTTC  
151 ATCGAAAAC AAAAGAATAT GCCTTCTTCT CGGCACCTCT CAGAACCTTC  
201 TCCAAAACCTG ATCATATAAG TCAGCAGGAA GTACCAACAG GAACACCAGG  
251 AGTTCTCAGC TGTGCATATC TCAGGGAAAGT AAAGATCAGT GAAGATTGCA  
301 AACCATTGCA CAGCTAGCTG TACCAGCAAG ACTGCACAGC TAGCTATACC  
351 AGCMAGACTA GCTCTGTCCC CACCACTCCA TGGAATCTTA

ug250

1 GGAATTCAAA GAGGCAAACA TAGAATCAAA CTAAGCAGTG GGTTCTTGC  
51 AAACAGTTGC CTTCATATTA CCTCAGCAGT TAAACGTTG TGTGGAGTAC  
101 TAAGGTGGTG GTGGAGTGTG CTTGTTTAG TTCTTTACT GGAGTGGCA  
151 CCCCACTTG TCTCTCTCCT AAAGCCCTAC TCACTTGTA TCACGTAGC  
201 CAGACCACAA AGGCTGTATG TTGCAATGTA TCAAGTGACA GTTTAGTTA  
251 AACATAAAATA GGCCCATTGA ACCCTGCCAA ACCTGGTCAT ATAGATCAAG  
301 GTCAAGGTAA AATACCAGGT TTCTGTAGTA GGGGG

ug251

1 GGAATTCCCC GGCTAGAGCG GCCGCTCGAG CCGGGTCGAG CGGCCGCTTT  
51 TTTTTTTTTT TTTTCACGG GAACAGACTT TATTAGTTCA CTTGGGTCTT  
101 CTCTGGTACG GCATTGAAG GGTTCTCTGG CACCCCTCA TTTTTTCTT  
151 TTTGGCAGC AGCTGCAGCA GCTTTAAGG CCCTTTTG CTTCTCAGC  
201 TTTGCACCT CCTGGTAAAC CCGAATGCAC AGAGCCTTCT TGGCCAGGAA  
251 GCVGCGGTGA ACCTTTGGT AAATGTCAGA GGGGGTAAG GTATATTCCA  
301 CCCCTAGCTC CTTGCATGTC TTTCGAAGA CATCATAGTT GGTCTGACGG  
351 AGGATTTGA GCAACTTT

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ug252

1 GGAATTCA TTATAATTAT GAATCATGAA TATCTGTATT TGCCGATGGT  
51 CTCAGGTGAC CCTTGAAAGGGCGTCTC ACCCCCCAAG TTCTGTCCAC  
101 AGGTTGAAAA CCACTGTGTT GGAGGGTGCT GACTGTAGGG CAACAACCTG  
151 AGGACAAAAAA AAAGCCTTGA ACATGTGTTG TTGCTCTGGG AGCTGTGTGC  
201 TAGCTCATAT CTTGCCAGT CCTCCCACTA AGCTTGGCTG GTTCGGGGTA  
251 CCCCCCTATT ATGGGACYCA GGGTAGGGGT GAGGCAGTGA TGGKGCCAGT  
301 CTGCTGCACT GCCCAAGCAG TGACCGCTCC CTTGATCTGT GCTGACTGTT  
351 AAGAGTGA AK KKCTTCAGAA AGTAGTACTG CCACAGCCAC CAGA

ug253

1 GGAATTCCGG CTCGAGCGGC CGCTTTTTT TTTTTTTTT TTAGTTGCAA  
51 GCAGATCACA AATCCTCTTA GATGTAAGGA AAGTGGGTGT TCTGGAGAGG  
101 ACTCAGATCC TGAAAATGAG GAAGTGAGAA TGGCTTTAG CCATTTTGG  
151 AAAGTACAGT CTGTAATAGT TTACCTCTG GCCCAGAGAA TTCACATTCT  
201 TCTGCCTGAA CAATGCAGTT AATTTTTTC TTCTACAAAC CCCTATGGTA  
251 TCAGCTGGAT GTCAGGGTTT TACCATTAA ACCTGATCCA GTCACAGAAA  
301 TGGTTGTTA TTGCAGATGA TACTCCTCAT ATGAAAGAAA ACCTATGAAA  
351 CAAAACAAGT TAGCAGCTGC CCATATATT TACATATATT GAGAGAAGTA  
401 TAAGACAGTG TATTAAACAT GAGAAAAATG GAAGGCACAC AGCAGACACT  
451 GTTCTATACA GTTCAATTG AAGTCCAGGG TATATGTTGA CAGCTGGTC  
501 AACTCCTACT CTCTGCAGTA TYCTCCAACA AWCCCC

ug254

1 GGAATTCCAA GAATGTACGC CAGAGGAACG CCACCTGAGT GGTGGGGCAG  
51 GCGGGGGAGG GGAGGTGCC AGGGTGCCTG ACCCCAGGCC AGCTCTACCT  
101 CCACTCCAGT ATCCCACCT GTCCCGATT GAACCTACCC AACCCAACCT  
151 ATCCCAACCC AAGTGAAGAC AGAGCCTTAC CTTACAGAAA ACCCACCTGG  
201 AAGAAGCAAR CCACTTCAGC CCCTGTTCT AATTAAACT AAAT

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ug255

1 GGAATTCTGT AAGGTATGTG ACAACGTTA CCTGACTAAA GCAGCTATCA  
51 GCTTACAAGT TCCCTGCTTC CCCAGTCAAT TTGGTGACTT TCATTCTTAG  
101 TGCTTCGACC CTTTCCTAC AGCAAGCACA CAACACTGCA GTTCTTACC  
151 CTGCAATCCT ATGTATTGC TTCAATTGTT GTTCTCCACA TCCTCAACTA  
201 TGCATTATTG GGACAGCAAA AAAAAAAAAG AAAAAGATTCTTCTCAA  
251 GGGAGAAGTA AGTCACTTAG CCTTCACTAT AGACCACCTG GGCACAGTGC  
301 ACAAGAACG CCGAGCTCAT CCTTTCTGT

ug256

1 GGAATTCTGT AAGAGTACTG CCTTGTCTT TGGCGTGTGC ATCGGTCTG  
51 CTCTCACCCG CAGCCTGCGCTCTACTGCCT GCTCCAGTCC ACTCCTGACC  
101 GACAGCATCA TGGCTACGAG AGGCAGTGTG ACTGACTTCC CTGGATTGAA  
151 TGGCAGGGCT GATGCAGAAG TCCTTCGGAA GGCCATGAAA GGCTTGGGTA  
201 CCGATGAGGA CAGCATCCTG AACCTGTTGA CATCCGAAG CAATGCTCAG  
251 CBCCAGGAAC TTGCTCAGGA GTTTAAGAAC TCTGTTTGG CAGGGACCTT  
301 GTGGATGA

ug257

1 GAATTCCCGG CTCGAGCGGC CGTTTTTTT TTTTTTTAA CAAACCCTTG  
51 TGTCGAGGGCTGACTTTCAG TAGATCGCAG CGAGGGAGCT GCTCTGCTAC  
101 GTACGAAACC CCGACCCAGA AGCAGGTCGT CTACGAATGG GTAGCGCCA  
151 GGTTCCACAC GAACGTGCGT TCAACGTGAC AGGCGAGAGG GCBGCCTCTT  
201 CATAATTTC AATCTGTTCC ACTTGTCTTT CCCATCTGTC TACCATGTAC  
251 TTGTACATGT AGTCATGGCT TAGGTGTGGC TTGTGACAGG TGGGCCTCTG  
301 GGTTTCCCAT GCTCAAGGCA AGGGAAACTG TCTTACTTAA CAGTGTGTG  
351 CTAAAAAAAT CTGGCTTTTGAGAGTGCA GTATTTAAAA AACAAAATG  
401 TACTATCAAT TTCTATAAAG TTGTTCGAGA ATTATATGG GTCCCAAATG  
451 TCCTTCTGA CTGAAGTCTG CAGTAAADCG AATTCCACCA C

124/472

ug258

1 GAATTCCGGCTCGAGCGGCC GCTTTTTTTT TTTTTTTTTT GATTAGCTCT  
51 GGATAATT TTATGGGGAG GGGAAAAAGG CATTGATAT CCTGCCTTTC  
101 CTACAGCACT CAGATTAAAA CACAGGCTTA AATTAATTCT GATTGCTTCC  
151 TTTTCCTTGT TCCTTCCTGC AGAGGCTGAT GGGACAGTGT CCAGGGCTGG  
201 AGAGCCACGT GTTCTGTAGA TGATAAATAA CTATGAACAT TTGGTGCTGA  
251 ATTTTTACA CTTGTCTCTT GTGGTGCTAT TGTCCGGAGA CCCTTAGGTG  
301 GSCCTAGGGT GCCTGCCATG CCTCATTCCC TCGAATTCCA CCACACTGGC  
351 GGCGGCTCGA GCATGCATCT AGAGGGCCCA ATTGCCCTA TAGTGAGTCG  
401 TATTACAATT CACTGGCCGT CGTTTACAA CGTCGTGACT GGGAACACCC  
451 TGGCGTTACC CAACT

ug259

1 GAATTCCCGG CTCGAGCGAC CGCTTTTTTT TTTTTTTTTT TTTTTTATGA  
51 AATGAGTTCA TATTCAAGTG TGACTATGTA GTCAAGTACA TAGTTGAACA  
101 TGAGTAGCCT CATATCATAA AAGTAGTCTT CTATCATTCA TATACAGTAT  
151 ATATCATTTC TATACACTCC TTTGCTCTAT ACTGTGCCTT GGAGATCTTA  
201 AGTCATGTTA TCATCTAAA GTGTGTCAGG GTAGTTACCT ACCTCAGGCA  
251 TTCAGGTTAT TTCTAGTTT CAGCACTTWC AAATACCTT AGTKAGTATC  
301 TTTGTGTGTA CTTTTCAT A TGCTGTGTA CAGTTCTTA AGCAGGACTG  
351 CAAAAATGTA AATTKCTGCTTTCAGCTTA GGKCATCTAA CAGATACACT  
401 TTCCTTCAAA AGC

125/472

ug260

1 GAATTCTCA GACCTGGAGC AGGCGCGGCC TCAGACTTCT GGAGAAGAAG  
51 AGCTGCAGCT GCAGCTGGCC TTGGCCATGA GTCGCGAAGA GGCTGAAAGG  
101 CCAGTCCCCC CAGCCTCCCA CAGGGATGAG GACCTGCAGC TGCACTGGC  
151 TCTGAGCCTG AGCCGGCAAG AGCATGAGAA GGGGGTGAGA TCCTGGAAGG  
201 GAGATGACTCTCCAGTGGCC AACGGCGCAG AACCTGCTGG CCAACGTCGT  
251 CAACGGGACA GGGAGCCTGA GAGAGAAGAG AGAAAGGAGG AGGAGAAGCT  
301 GAAAAACTAGT CAGTCCTCCA TCCTGGACTT GCTGACATCT TCGCACCTDC  
351 CCCGGCCCTG CCTTCCACCA CTGCTCTGCT GACCCATGGG ACATCCCAGG  
401 TCTCAGGCCG AACACAGAGC CAAGTTVGCT CCTCTT

ug261

1 GAATTCTTT TTTTTTTTTT TTTTTTTTG AGGTGCTGAG TCACACTGTT  
51 AACTGCTTTA TTGAGATTCA GGGAGATCCT TCCCCAAGA GACACCACAG  
101 TGTGAAAGGG ACGCTGCCTC CCGCCCGGTC AGTCCATCTG TCCATGCCTT  
151 CATTGATCA AATGTGCACC CACTATCCAC TGGAAACAGC CTCCAACCTG  
201 TCCCCATTTC TTTTCCCCTT AGTTCTGAAA AATAATAATA ATAATGACAA  
251 CAAAGAAAAG AAAACCAAGA TGCACTAGTT CTGAGAGATG ATTGTACAGA  
301 CCCAAAGTGG GACGCATGAG AATAGAGGGA ACACTTGAGA GTAAACCTAA  
351 GGCCAAGGAG AGGGTATGCA TGGCTCAGAA AACACGTACT GGGGAAGAGC  
401 CTGCTTAATC ATGTGCATGT TGGGTGCACA TGCCCTTGCT GAAAGAAGAC  
451 AGGACATCAG CTAGGCAGAC AACTGTATCC CATA

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ug262

1 GAATTCCACA CCTTGTAAGG ATGGTATAAC CTCTGCCTTA AACAAAGTTCA  
51 AGAAAAGGAG GGGCAAAAAG AGCGCTTGTATGCAGCTTTA ATTATCTGGT  
101 CCCCCTCACC CCCTGCCTTT TGCTGTGCTCTTAGCCCCAG GCCAAAGGCT  
151 AAGACTGGAA CTAAATTGC ATAACCTACCTCCCACATAG GTGTCCTTGT  
201 CCACTCCTCT TAGCCTTCGT GTATCCGGAG CAGATTTAT AGCTGTGCAG  
251 TCTTACTCCA TTGCTACCTA AGGGAAAATCTGTTAGGTTA AAAAATTATT  
301 TCTGTCCCCT GGCTGGATTTCAAAACCAA CTGTGAAAT AGGCTAATGA  
351 GACTGGTAAA GCCAACCAGAACACCCACAC GCTATTCCA AATCAAATGC  
401 GTTGTAAATT GGGCGAATCT TGTATTGTAGCTGTCTGGT AATGTGAGGT  
451 CAGATTTWA GCATTCTATC ATCATGAAATTGCACTGTCA CTTTCCATAG  
501 CAGCCGAGAG AATGATAGTG AGGTTAAGGA GCCATAACCG TAGAAAATGA  
551 AGGTGCTCMA GGGCATGAAT GTTCTGA

ug263

1 GAATTCGCAAG ATGGGCCAAG AGCTTCAAGG AGAAATAGTT GTAATAATTG  
51 CAGATCAGTA TGGAAATCAG ATTTCATCATTTCACCTGA TTCCCTTATCT  
101 ACTTTGTCGA TTACTGGAGA TGGCCTTGAC AGCTAAACT TGAAAATCAC  
151 CTTGGAGGCC AACTCACAGA GCGTAAGTGT GCAAGGCATC AGGTTACTC  
201 CAGGGCCTCC TGGACCCAAG GATCTGTGTT TTACTTGGCG AGAGTTTCT  
251 GACTTTCTGC GCGTGCAACT GGTTCTGGA CCTCCAACCA AGCTGCTGCT  
301 TATGGACTGG CCAGAGCTGA AAGAGTCCAT TCCTGTGATT AATGGAAGAC  
351 AATTAGAGAA CCCTCTCATT GTTCAACTTT GTGATCAGTG GGATAATCCT  
401 GCTTTAGTCC CAAACGTTAA AATATGTCTC ATAAAAGCAA GCAGCTTAAG  
451 GCTACTAcht TCAAACCCAGC AGCATAAAAC SGATTCCACC AC

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ug264

1 GAATTCAAC TCTACAGGAC AACCCATTTC CTGAGAGGGT AGGCCAGATG  
51 GCTCTGGGTG ACTGAGAATG TCATTCCTTG AATGGGGGAC AGAACGGAGA  
101 GGGGGTGGGA TTTGTGGACA CATTCACATA TAAGCATATG CACCCCAGCA  
151 ACAAGGCTCC TAATAGCCTC TCCAGGAAGG AGACACCGAC CCCTAGATT  
201 CTGGAGTGTG TAAACAGCCC ACCCCTAGAG CCCTCATCCA GTCCATTCT  
251 CCAGCTCGCA AGACCCGGCT TCCAACGTGA AGTCACCAGG GCGTAGAAAG  
301 TCCCTCCTGA TATTACATG ACAGATTCTT TTTCGAACGT GGCACTGGAG  
351 TCCCCGGTGG GTCCCTGGTA CTGTTTCAGG AGGGGATTCC CCTCCTCTGT  
401 GGCGAGGGGC AGTGGATTCA GAGACACCTC GTTCTTCACC TGGATCAATT  
451 CGGGCTCTGA GCTCGGCATC TTGGTTCGAT CCACGTAAC CTGAAGCAGT  
501 CCAGCCCCAA AAGCATCACC TTCCACGTTG AGGACAGTAC AGGACCTGTC  
551 CACTAGCCAG TCCACGCCAA GATCAAGGAG ATGTCCTCA CAGGGCAGGC  
601 TGACTTSTTT C

ug265

1 GAATTCTCC AGTCGGTTAG CCGGAAAAAC GGGTGCTTCT TGACATCCTC  
51 TGCATCCTTC TCACCAGCTC CCAGGCGCCG CTCAGGATTCTCCTTAGCA  
101 GCCTTCTCAT TATGGAAATG GCTTCTGTAG ATAAGAACCT TGGATACCTT  
151 ACTTCGTCTTACATTTACAATACT GTCAAAAAACC TCTTCTTCAT CATCACCAGG  
201 AAAGGGAGAC TCGCCGACGA GCATCTCATA TATGAGTACA CCAAGGCCCC  
251 ACCAATCTAC AGCCCTTGTG TACGATGTTT CTGTTAGGAC TTCTGGGGGC  
301 AAGAAACTCA GGGAGTACCA CAAAATGTGC TTGTCCTATC TCCATACCCC  
351 ATTCCCTTCTT TGCAAAGACC AAAGGTCAGG CAATTTCAC AAAGCCTTCT  
401 GTATCTAGCA ACAAGTTAT CCAACTCAA ATCTCTATAA ACAATTTGT  
451 GTTCATGTAA GTATTGCAAC CCAAGAACTA CACA

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ug266

1 GAATTCAACC CGGCTCGAGC GCCGCTTTT TTTTTTTTT CTAAGGACCT  
51 TAGAAAAATA AAAAAAAAAT TCTGAGTGCC ATCTTATCA TCTCTTCATG  
101 TGTGTGTATG AGTGTGTGTG AGTGTGTGT A TGTGTGTGT GTGTGTGTAT  
151 TGCATGTGTG TGTGTGTGTG GTATGTGTGT TGTATTGTAT ATATACCAGA  
201 CCATGAGGTA ATAGGAGAA ACACATTCT CGCCAAGATT TTTATCTTGT  
251 CTAATCAAGT CATGTTCTG GCTAGAACAC CTTTCTTGT A ATCATTAA  
301 ATGTAGTCAT TTAAATGAAT AATCCAAACA GAAGTCCTAT TAGATCCATG  
351 TTTCTGTTAA ATGATTGCTA AGCCCTAACCC TTTCATTCC CTTCAGGAAA  
401 SCATCAAAG CATGGTTATC ATTCACTCTA GAAGCCCGGA TTATCGTTT  
451 AAAGTCATCA

ug267

1 GAATT CCTGG TAAGGGCAAG TCATACATGG AACTCGGTT TTCACGGCAT  
51 GCTTAGAAC ACTCGTTGT GGAGCTTGT TCGTGTTKA AGGAATTCTA  
101 ACGCACTAAC ACATAATGAC TCTAGCCYTA KGATGCACAG GCAAAAAGGA  
151 GGCCTAAGGA CTCACTTACA CACTGCAATA AAAGCTTKCT CCACTGTTC  
201 TCCAGGAATC GCC

ug268

1 GCGCGGATTCTTTACTG ATAAGTTGGT GGACATATTA TGTTTATCAG  
51 TGATAAAGTG TCAAGCATGA CAAAGTTGCA GCCGAATACA GTGATCCGTG  
101 CYGCCCTGGA CCTGTTAAC GAGGTCGGCG TAGACGGTCT GACGACHCGC  
151 AAACTGGCGG AACGGTTGGG GGTCAGCHG CCGGCGCTT ACTGGCACTT  
201 CWGGTAC

129/472

ug269

1 GAATTCTCA AGTTGGTCTT GAACTCCTGA GTTCAAACAA CCCTGCTGTG  
51 GAATCCACGG TAGCTAGACC TACAGATGGC ATCACCAAGG TCAGCTTGAA  
101 CACACAGTTA AAAATCATTA ACCCCAAACT GACCATAATG TATCAAAGAT  
151 GGGTAGGAAT TTAATAGCCT GTCTTATGT TTAAAAGGTC AACCAAGTAA  
201 CAATAATCAA GATATCTGAA GAAGTCTGCC AAGAGAGCTG GTGCTTCCTG  
251 TAAGCTCACA GGAAGACGAG GAGCTCAAC CCAAA

ug270

1 GAATTCTTA TTTCTTAAAAA TAAAAAGAAC ATCTAAGGAC TGAGTCCTAT  
51 ATGCACTTA GAGCATTCT ACAGCATGCG ATTCTAAGAG TAACCCCACC  
101 CAATATGGCA AACAAATCAA TTGTTAAAAA TTAACTTAG AAAGTCTGAG  
151 ATCATTATTTCAAAACATT GATTGTACA TTGTTTCATA CACAAATAAC  
201 CAACTGACTA TCCAAGCACA GGACAGGGCA CCTCTCTGGA GAAAAAAAAT  
251 CTCTGACAGC AGGGGCAGGA CGGCTAGTGT CACATGACTA CAAACGTCCC  
301 TCCAACCTCA CAGGAAACCC AAGGAAAGAA CAGAAAGTGG ACAGTGAGGG  
351 GACAGGAGGG ACAGGAGGG A GGGAAAVCAG CTYGGGAGTA AGTCMSCTGC  
401 CTGAGCAAGG GAAGGAAGGA CTCTGACCAA GCATTGTGG SCMATCCTAA  
451 CATGTGC

130/472

ug271

1 GAATTCTGCC TCTCTTGGAG GTCTGCTCCT TTTTGAAGAG GAAACGGGTG  
51 AGAGGGTGTT CAATAATGGA GAAAAGAGGA TAGGTGAAGT GGGGGGCATG  
101 GGGCATAGCT AGGAAGACTG TAGGGAGGAA AAACAATGCT CAGGATATAT  
151 TGTATGAGAG AGAACCGAGG CAGTGGTGGA GGTCAAGGTA GTACAAATTA  
201 CGGAAAGAGC CAGCGACGTG GTGGTCATCA GAATAACTAC AAGCCATACT  
251 GAGAGGCAGC AGGAGCGCCC GAGTGACGAC CGCACACGCT TTGTTGGAC  
301 GCGGGAATT CACCACACTG GCGGCCGCTC GAGCATGCAT CTAGAGGGCC  
351 CAATTGCC TATAGTGAGT CGTATTACAA TTCACTGVCC GWCGTTTAC  
401 AACGTCGTGA CTGGGAAA

ug272

1 GAATTCTTA TTTTCAGATG ACAGTTTCC TCCTTTGGA TCACTGCTAC  
51 TGCAGGTGTT TTTAGTAGGC AAAGTAAGTG AATTAAAGAT ACGATTCTT  
101 ACAAGTTGC TGGAGCCAAA AAAGGGAAAT GAATTTTAT CTTTATGGG  
151 TCCAGGTCGG TCATAAAATG CTGGCTCAGC ATCTCATTG ATGTCAAGGA  
201 AAAATGTGCT GGTGGAGGTG CTGCCGAAGC GGTCACTCCTC CAGCATGAAC  
251 ATGCTTGATG GTGCAGACTC ACTCTCACTG TTATGTCTAG AGCTGGTCGA  
301 CTCAGAGTTC AAGCTGAGGG TGCTTGGGAC AGATGAGAGC TCATTGCAGA  
351 GCTGCTCCAC ATCATCTGGA ACCACTGGCC ATAGAHCCHTH CACTGTSCCT  
401 ACAGAATCCC AGCTGTGACA TTTCAAAATA TCACAGCCTT ACCTTGGTTT

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ug273

1 GAATTCCACT ACTCTGCCAA TTAAAAAAGA TTTGTTTG CAAAAGTTAT  
51 GTTGGAGAA AAATAAAAAA GCTTATGGTC CTTGTATTAA GCAAAATAAG  
101 GTAGGCTCAG AAAGATGGGT GCTGTTTCT CAGATATATG AAATCCACAC  
151 TTAATAGTAT AAGATTTAA GACGCAGAAG GTACTATTCA TTTAGAAAAG  
201 GGAAAGTAAC CTGTGGGGC CAGTACAGAG GACGAAATGA GGATGAACAA  
251 GCTTGAATT CGAAATAAAG CTGTGTGTGA ATGTCACAAA GGTTCTATCA  
301 TACTGACCAA TGAGTGTATG CTAATCAAAG TAAGATTGT TAAAATGGTT  
351 TGAGAAATCA TTGTTGAAAT GTTAATCAAT CTCATCTGAA GCTCCGTCTA  
401 GATTTTATT TTTTATAGAA CTTTATAAA CTCTTCCACC TCAAGTYCCA  
451 AATTGGAAAG ATTACTCCT CCTTCATAA GTTYCCCAAG ATGAGATAAG  
501 AGCYATRCAA WGGTTTGTGTT GGGAAATTGA GGCGATGGACA TCACTACATG  
551 GGCTT

ug274

1 GAATTCGCGC AGAGGAAC TC TG GTATCGAT GGTACAAGAA GAGACCCAT  
51 GATCATCARA GACAGACARA GGCCAGCTGG TTCCAGACTG GCTTACAGGK  
101 AAAATCCAGC TGCTGCTTGG GCCCCTGATG GTCGACCCAG TAGAGGGATG  
151 GATTCAAGGGT AW CAGCCTTC CC

ug275

1 GAATTCTTGA ATT TAAAGA AAAAATTAT TGAAGATCTG AAAAACAACT  
51 CCTACAAGAT TGACTTTCC ATAAAACCTGC AGCTACACGA TGCATTGCGT  
101 CTATCATGTT AAAACGTGCA TTAGACACAA ATACAAAACC CATGAAAACA  
151 AGCCACCATT CTTAACAGT TGAGCAAAGA TAAGATGCCT AAGGAATGAC  
201 ATGGATGACT TGCAAAGGAT GGGCTTTA AGCACCATT AAAAAAAA  
251 WAAGAGCACA GATGGATGAG TGTCAGTTA TATACACTGA AGTGAACCTT  
301 TGGCACTAGG AATCAGAGCA WTTGTCATAA GAAGCATTWA ACACATATTA  
351 TAAAAA

132/472

ug276

1 GAATTCAAAA ACCTTTAATG AGTAAAAGAC AGTGTAGGGT TTGTGCCAT  
51 TGTCCATGTG TTGCTCCTAT TGTCACCCC CCTATCAGAA GGTATTTTG  
101 ATGCGGGCVG CCACCAGGAC TAGGATTCC CCAATCTCC TCTGCCAGTT  
151 GGTGATATCC TTGGACACAGCACACCACAG CTCTCCATGT CGGGGCTCTG  
201 CATTCTACA GCGTTTCCTC ACCTCCTCCT GTTGCTCCTC AGTTCCATGC  
251 TGCAGTTCAA ATTTGTAGAA GAAGGCCAG GCATCCCCC AGATCTGAGT  
301 CAATCTCAC AGTGCSATGG AACCCTCCC GAVCCYTGGT GATCTTCTT  
351 TCACTCCAGA ACAACTTAGC CACAGCTAAA AGCACATGVG GTCATGTTCA  
401 CACTTCTTCA GGGCATCCAC ACTCT

ug277

1 GAATTCATGG CGCATCCCGC ACCCCTGGCG CCCGGCGCCG CGGCCGCGTA  
51 CAGCAGCGCC CGGGGGGAGG CGCCCCCGTC CGCCGCCGCC GCCGCCGCCG  
101 CCGCCGCTGC TGCCGCCGCC GCCGCGGCTG CCCGCGTCGT CGTCGGGAGG  
151 GCCCGGGCCG GCGGGGCCS CVGKTGCCGA GGCGCCAAG CAAGTGCAGT  
201 CCCTGCTCGG CGGCGGCACA GAGCTCGTCG GGGGCCCCCG GCGCTGCCCT  
251 A

ug278

1 GAATTCGTTT CTGAAAAATA GCTACAGTGT ACTTACATAT AATACATAAA  
51 TCTTTAAGAA AAAAAAAA AAAGGGGAGA TTTAAAAGTA AAGGCCTGAA  
101 TGTCTGTTCA ACTAACTAAA TTTATAGAAA GCTTCACAGT ACAAAAGCAAG  
151 CAACTGACTT AAGACTTGCA CCTAAGGCTG GAGAGATTGC TCAGAGGTTA  
201 AGAACACTGA CTGCTCTTCT GCAGGGCCCA AGTTCAATTCCAGACAACC  
251 ACATAGGTGG CTCACAACCA TCTGTAAACA AGACCTGATG CCCTCTTCTG  
301 GTGAACTGAA GAAGGCTACA

133/472

ug279

1 GAATTCCGGG GCACCCCTCTG CTGAACAGTA GGGGACGGGC CAGGTGGCAG  
51 AGTGGCCAGA TTGGGGGGTG AGGCCGTGGA GGAAGGGGTC CCAGCTCCAG  
101 CCCCCGGGCC AGGACTCACC AGGCTTACC AACTCTGAC ACTGCTCACA  
151 CCTGGGAGTT GCTTCTGAGA AGATCTTCTC TTTCATCCAG CCCATCGTGT  
201 ATTCTTTCT GCAGGGAGGTG TTGACACAGT GTGATGTGTA GAAGGTGCCG  
251 TGGGCCTCCA CCAGGTCTTG GGGCTCCAGC CCCGCCACTC GTTCCAGCGT  
301 GTCTATGTTCTGCGTGTAGC AGCGCAGCAG CTAGCCCCTT HTCCTTCAGC  
351 AGGCCGGATG AAGTAATTGG CAGA

ug280

1 GAATTCACTT ACACTGTCTA TTCCCTGAAC GACCAGCCGG GGCTCCACCT  
51 GGGCTTCGAG GCTGCCATTA TGCCTGCCAC AAGTGACAGC CTTCCCTGGC  
101 TACCCAAGGG CACCCACCGA GCACCCCTCAG GTTCAGCTGT GCTCACACAR  
151 GGGTGAATGA GCACCCCAGG GSAYCCACTT TTGGGTTCTA CCACTBCGAT  
201 TCCCACCA

ug281

1 GAATTGGCA GACAAACAGT GACCAGAACCC AGTGCCTAA GGAAAACAAC  
51 CTCTACAAAC CACTGAAGCC ACTTGAAACT CTCGGACGAA TGTGCTGGGT  
101 TTCCCACAAAC AGCGACACTT CCCAGAGAGC TACTGACAAG GAGCCCTCAG  
151 GACACTGATG TGCACTCCTTG GACTTGCTCA CTCAGGCCCT TGAGTCAGAG  
201 CCTGCCATAA TATCCATCCC TAGGCCTGCT AACACACTTC CAGGATAACA  
251 GGGAGGAAAT GACATTACA CGTTACCTTT TGTGATCTGC HGCCACCAVC  
301 TGTGGTTTG GAGGACTCTA CAMCAHHTTT CTTVCCAG AGATTGGGGA  
351 AGATCCCACCT AACCTCTGTG TAGCAAAGCG GGGGCTGGTC CTGGTT

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ug282

1 GAATTCTGA ACAGAGGTT TCAGAACATA TAAAAGATGA AAAGAACACG  
51 GAATTCAAC AGAGGTTCAT TCTCAAGAGA GATGATGCCA GTATGGACCG  
101 AGATGATAAC CAGGTGAAGA ATGGAAGAGG GTGGGCCTAT AAAGAGAGAA  
151 ACTGGGAAGG GAGAAGGATT TGGGGGAATG GAAAAAAATTG AAAATATCTT  
201 AAAATGGAAA ACTACACAGC GCTGTTCTCC TGAGTTGTTG GGGCTTCCCA  
251 CTGAGGACTG GCTACAGTTG CCGTGCTCAA GGCCCCAGAG AGACAGGGTG  
301 CTGAGGTCTC ATTGGCCCA CAGCTTTA GGTTGCCTC TAACTTGTAA  
351 CTACGTTCA TTTGGACAA ACAAGGTTTC TCCCTGTGTC AGCCTTGATG  
401 TAGCTGACTT CAGTGTATC TCTTGCTCA ACCCCTCCCT GTCTTGCAGA  
451 ATTTACACTG GGAGCTACCA AAATAACCAA AAGTTACTTT ATCCCATTTC  
501 CACTCTCTA GCCAAGGGCT GGCCTTAAAH GCAAAGTTAT GGTCTAATTT  
551 AACCAAGTTAC AGAGGTGTGT CTTGATCCC CTTG

ug283

1 GCGCGGATTCTTATCACTG ATAAGTTGGT GGACATATTA TGTTTATCAG  
51 TGATAAAGTG TCAAGCATGA CAAAGTTGCA GCCGAATACA GTGATCCGTG  
101 CCGCCCTGGA CCTGTTGAAC GAGGTCGGCG TAGACGGTCT GACGACACGC  
151 AAACTGGCGG AACGGTTGGG GGTTCAGCAG CCGGCGCTT ACTGGCACTT  
201 CAGGAACAAG CGGGCGCTGC TCGACGCACT GGCGAAGCC ATGCTGGCGG  
251 AGAATCATAAC GCATTGGTG CCGAGAGCCG ACGACGACTG GCGCTCATT  
301 CTGATCGGGA ATGCCCGCAG CTTCAGGCAG SCTGCTGCC TACMGCCAGC  
351 ACACGGCGG HHCHCGAGCA TGCATCTAGA GGGCCAAT

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ug284

1 GAATTCCCTG CACTATGCCGG CTGCTCGKKK CCACGCCACA TGGCTGAATG  
51 AATTGCTCCA GATTGCCCTT TCTGAAGAAG ACTGCTGTCT CAAAGACAAAC  
101 CAGGGATACA CGCCACTGCA CTGGGCGTGT TACAATGGTA ATGAAAAC  
151 CATAGAGGTA CTTTGAGC AAAAATGTT TCGAAAATT ATTGGTAATC  
201 CCTTCACTCC ACTGCACTGT GCAATAATAA ATGGTCACGA GAGCTGTGCA  
251 TCATTGCTCC TGGKGGCCAT AGATCCCAGC ATTGTCAAGCT GCAGGGATGA  
301 CAAAGGCAGG ACAACCCTCC ACTKGGCAGC CTTGGAGAT CATGCGGAGT  
351 GCTTGCAGCT GCTTCTGAGA CATGA

ug285

1 GAATTGGAA AATGAAAGAG CCTTCCTGTC TTCAACATAT TTTTGTGTTGA  
51 GCTTGATGTC TGCCAACCAA GTACTCATAG TAGTATCAGT ATCACTGTTA  
101 GTATCCACAT CAGTATCTTA ATTCCATGAC TTTTCACTCC ACCCAACTAT  
151 GGCTCCTCGA TTTCTTGTT TAAGCTTCT GAATTCTTT CCAGTCTGAA  
201 ATGCTAATGA TGCCCTCAGA CTCCTCCCT CTTGCCACAT CTCCCTCTT  
251 TTTGAACTCG TCTCCCCCTC TGTGTTCAT A CCCATCATAC TTTGCTAATT  
301 GCTACTTCTG TGTCTTAATC ATAACATTCT TCTTCAGTCT TTAAACAAGA  
351 TCTGTCCCAG AGTCTAAATT TAGCCATTCT CACTCTCTGT GTGTCCCATT  
401 TGGGCTTGA ATTAAAGTTT TGAGTTCACT GGCTTCATG AGGGGGAGGG  
451 TCACAGAATA AAGTTCCAG TGTGTTGCTC TTGAAAGGAG ATCTCCCATA  
501 TTCAAATACM CTTCTCCCTA AATATTCTGT TA

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ug286

1 GAATTACCGG ATTTAACAGG AATAGAATGG CACAAGGTTT AATCACCAGG  
51 GAAATAAAGC AATCACAACT GCGGCTCGGG CGCTGCGGCC CTGCTCACAC  
101 CGACAGAACT GCGGCTACAC AGAGATTGGA AAACCGCTAC ACGCGCCTGC  
151 CCCTACCTGC GCCCACGGCC ATGCGCCCC ACCTGAACTA AGGCAGAGGC  
201 AAGCATCCCG GAGACTTCAC CCCACAACCT TCTGAGTCTT AGTCTTCVTT  
251 CTGTGTACTG TGACAATGTA TGAATCAACT CTTCTCAATT CACTTGAGTC  
301 CAAGTCGTAACCTGA

ug287

1 GAATTCGCGC ACTGACAGGC CACTGTRCAC GTGTGGAGGT CAGAGGTCAA  
51 TGATAGAACRC CCTCTCCTTC ACCACATAGG TCCTGGAGGT TAAACTCAGG  
101 TTGTTAGACT TGGCAACAAG CCCTTGTCC TGCTGARCCA TCTCACTGCM  
151 CCRCCACCCCT TTWCTGAGAG AGGCTTTCA CTATCCTAAC CTAGGTTACC  
201 CTGGAACTTA TGATGCACCC AGGTGCTAGT GTTCACAAC TGGAGGAAAA  
251 CCTCAAATTAA GGGTTATGTG AACTGTAACA TAAATTGTA ATTAACTA  
301 CTTDTTTTC TTACTGGGTT TTGATATAAA DCCTCACTTT GT

ug288

1 GAATTGCCCG CACTAGTCA CTGTTAGAA AGAAAGAAGA AAGGAAAGAC  
51 CCAGCAAACCTAAGCTAGTA TGACTATCCA TCTAAAAAG GCTAGGGAGT  
101 TGTGTGGTGT TTGTGTGTAT GTTTGTGTGT GTGTGTATGT GTTTATGTA  
151 TAAGTCAAGT ATTACACAAAT CTTTCACAC TAGCTGCCAT AAAAAGACAC  
201 AGACATTACA CAAAACCATA TTGCTTTCA TATGCACTCT CTGCAGTTCC  
251 TAGCTCAGGC TCAAAGACAG CCCACAAAAG AGTAAAAGGA ACATGTTGGA  
301 AACAGAAGTT GGGGAAGTCG GAGAACCTCT GCAGACTKGA GGTCGAACAT  
351 GGAGACACAG ACCTCACAGA AACACACTGG CCAGCTCCTC ARTKCACAAG  
401 TCTKCCTAAG CT

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ug289

1 GAATTCCAAG AGTATTAGAC ATTTGGAAG ATTATTGCAT GTGGAGAAAT  
51 TATGAGTACT GCAGGTTGGA TGGACAGACA CCCCATGATG AGAGACAAGT  
101 AAGTATGAAA GGGTGGGAAG TTAAAAAGTG AAGTAAGAAC TTTATTTTT  
151 ATATTCCATT AGKTGTACCA ATTAATATA ATGTTTGTAT TGTATTGCAT  
201 CAGAGTATTT GATTTTTTT AAAAATATGT ATTTCTTTT AAAATTTAAT  
251 TTGGTGTGAT AGTGTGTTGC CYAAG

ug290

1 GAATTCCGCC AAGATGGCCG AAGTGGAGCA GAAGAAGAAG CGCACCTTCC  
51 GCAAGTTCAC CTACCGTGGC GTAGACCTCG ACCAACTGCT CGACATGTCC  
101 TATGAGCAAC TGATGCAGCT GTACAGCGCC CGCCAGAGGA GGCGCCTGAA  
151 CCGTGGTCTT CGGCGGAAGC AACACTCACT GCTCAAGCGC TTGAGAAAGG  
201 CCAAAAAGGA GGCACCACCC ATGGAGAAGC CTGAGGTGGT GAAGACGCAC  
251 CTGAGGGACA TGATCATCCT GCCGGAGATG GTGGGTAGCA TGGTGGCGT  
301 GTACMACGGC AAGACCTTCA ACCAGGTGGA GATCAAACCA GAGATGATCS  
351 GCCACTACCT GGGCGAGTTC TCCATCACCT ACAAAACCGT GAAGCAC

ug291

1 GAATTCTGGA GAAGTGGGAG GTGTACTGTA CGGGGAGGGGA CCAGGGGAAG  
51 AAGAGGGGGGG TGGAAAGTAA GAAGGGAGGA AAGGCAGGAG GGGGAGAGAG  
101 AGATGTTACT GCTTCTTTT CAGCACATAT AAAACAAAGG ACTAAAGAAA  
151 CGCATATTAA AAATCCAGTT TCTATATTCA CACCTAATT ACCTCCAAAC  
201 CTACTTGTAA AAATCCATCT TCAGCAAATG AATTGTTGG GAAAATGGCC  
251 AGGCATCCAT ACACAGAAAG GTTCTCCATC ACCATAAATT AACTCATGGT  
301 ATGCTGAATT AATTGTTGAA AATTACTAGA AAATATGTTCA ACAAAACCTGG  
351 CAAATTAGA CTATGTCACA CACAAATACT CCTTCTTTC TCCCTCCTCC  
401 TCCCT

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ug292

1 GAATTGGAA TGTTACCGCA CCGCATGCTC TCCCTGCAGC CTTCTTGCA  
51 CACTGGCATG CTGGTCTAGG AGCCGCTATC TATCCTCTCC ACAATGCCTG  
101 CHCGCCTCCT CMVCAGTTG ACAAGCCAAG CCGCCACTAG CTTCATCAC  
151 AACCHCGCTCT CCTCCACCAC CCTGGAACCC TTTCCCAGCT TCACCAC  
201 ATCCGTATMM CTCCCTCTTC CTAGCTCCT CCACCGAACCC GCACTCTTC  
251 CTGGGCTATC TTCACCATGC ACTGCTGCTG CHGCTCCTCA GTCCCTCCTA

ug293

1 GAATTGTTG GCGAATCATC ATCTCTCCT CTCGTCTACG CCGTTCCCTCC  
51 TCTTGCCTCA ACTGCATTTC TTTACGTTTC TGCAATTCTT GACTGTGAAG  
101 TTCCCTCCATG CCCTTAATTCTTCCCTGGCGT CTCATCAGAT CTTKGCGCAA  
151 AAGATTGCT TGGTGTTCAT GGTAAGCATC TTCCATTCA CTTTCCAATT  
201 TGTCTTAGC ATCCTTCATG TTTTTTCAA CTTGTTCCCT TTGCTGTTT  
251 TCCATTCA CCAAGGACTT CCATYGTGA GAATATTCACTCAAATGTGC  
301 CATGCTGAGC AAAACGAGGT GGTGTTCTC TCTCCTTTG ATACATTGGA  
351 TTCTTCT

ug294

1 GAATTCTTCC CATGCACATG CAACTCTATG GAGACGCTCT CCCTGCACC  
51 TTCGTAGGCT CTGTGTGTCC TCAGGGCTGCG TGGTGAGCGT CTCGTACCTA  
101 CAGAGCCATT TCACAGCTCC ACAAACTCAG TTTAAACAG CAGCACCGCT  
151 TCTACTCTAT GCTCGGTTCAAGTGAGGAA GTGAGGCAGG TACAATTGCG  
201 TCATTCACAC GGCTCTAGTC AGGTAGCTGG AGCAGAGAGG ATGGAGAAC  
251 GGCTCATGGG CATCTCTCTG TGCTGAGTAT CCTGGGCTCT TTTCCACAAG  
301 GTCTCTCCA TAACAAAATG AGCCCTGGAC AGCTACAGGT GTCATAACCC  
351 AGTGCCGCAC TCCAACAACT TCACAGCTTG CTAGAACTCM GAAATCAATA  
401 AATCAGAATT CAGAGCCTCA TTCCCTCT

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ug295

1 GAATTCTTC TCAGCTGTAA CTGATGGCTG CGTCTGAAGC CTTTACTCTA  
51 ATGGTGCTTA TGTCTGTGTG GGTTGCACCC ATTCTATAGG GCTAGGTGGA  
101 ATTGACGTTT GTTCTTACGG TGTTTGTCT ACTTCATTGT ACTGTGACAT  
151 GCTTGAATAA GGGAGGGAGC GAATGGATT A CTTACCTGTC AGGATGCCAA  
201 GAGCACCTGT GTGGTCTGTC AGCCTGGACC TCAGTGAGCT GCGGTAAGCA  
251 GGTTGGCAAC CTCAGGCTCA ACCCATCTGT GAGGTCAATG CATCTTGGAA  
301 AACAGAAAGT GACCTGGCAG CATATTCTT ATTTGTAGTA CTGTTTGTG  
351 TTTAGTTTGT TGTTGTCCTT TGAGACAGGG TCTCTTAAG TAGCCCTGDC  
401 CTSGCCGTGA AATCCACAGA GAAC

ug296

1 GAATTCCACA ATTATCTCAT CAATAATTAC CCTATTTATC TTATTTCAAC  
51 TAAAAGTCTC ATCACAAACA TTCCCCTGG CACCTTCACC AAAATCACTA  
101 ACAACCATAA AAGTAAAAAC CCCTTGAGAA TTAAAATGAA CGAAAATCTA  
151 TTTCCTCATT CATTACCCCCA ACAATAATAG GATTCCAAT CGTTGTAGCC  
201 ATCATTATAT TTCCCTCAAT CCTATTCCCA TCCTCAAAGW CCTAATCAAC  
251 AACCGTCTCC ATTCTTCCA ACAGTACTA GTTAAACTTA TTATCAAACA  
301 AATAATGCTA ATCCACACAC CAAAAGGACG AACATGAWCH CTAATHATTG  
351 TTTCCTAAT CATATTTATT GGATCAACAA ATCTCCTAG

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ug297

1 GAATTCTTT TGGCTTCTTA GGAGGTATAA AGTTCTTCC AAACACTGCT  
51 TCTCTTCTTT CTAAATCTGC AGGATTCCA CTTAACCTT CATTGGGAGA  
101 TGTTTTAAC TTGGTGCAAA TGCCATAGAC ATCTCCATAG CTCTCCTGTA  
151 TTTCCGTAA TGCATCCGTG GATCTGAGCT CCATGAGAGC TCGCAGCTCT  
201 GTAAGCGTAA TTCCAAAGTC TCCATCATGG TTAGCTTCTT TCAAAGAGTT  
251 CTTCACACCG CTATACGCAA CTGAGTTGTT GGCCATGTCG CCCATCACAA  
301 GGATAATTAA TTAGGAGGAA AATGTTCCC AGAAGAATGA AATTTCACC  
351 TTGAATGTAG ATTCCAAGCTGAAAATCTT TTAAATAT

ug298

1 GAATTCCCCA AGCTTGTGCA GAGGCCAGGA CCACCTTGTT TTCATGCTCT  
51 TGACTGCTGG GAGCAGTGGAGAGAGCTAAGAACAGAGTAGG GGCCCSAGGG  
101 CTGGATCTAG CCCAGCCCAG GGSCAAAAAG GAAAAGAGGG GAGTDCTCCC  
151 AGCTGGTTTT GGCTTGGTGA AGGCYTGGGC TGGGAGTTCT YGAGAGGCCT  
201 CCTYGCTATC TTAGACCACY GGKTCTTTA

ug299

1 GAATTCACAT ATGCAAAGAG ACTGAATGTG GATCCTTGA CTTTCTCTTG  
51 CTCCCGATCT CTGTGCCTCC TAGTAGAGCA CCCGCCACT GGGCAGCCA  
101 GGAAAGAGCT GGAGACATCA GCCCAGTGGA CTTCTAGGAA GTGAAAAAG  
151 CAAAATAAAA CATTTCAGA GAGCGTTCC CAAWCHGCG AGCATTCTCA

141/472

ug300

1 GAATTCCCT ACATCAAAAA TTATTTAAGT TGACCAAGAT AAAAAACTGT  
51 CTCTAAAAGC TTATATAACAT TAGAAGTAGC AAAAATAATA ATAAAGGAAG  
101 AGATTAGAAA ACAGCCATCA AATTCAAGACA TCTACAAGAA TTCTCCAACA  
151 TCTGCTCTCT TATCTCGGCA TTTGCTTCGA GCTTTGTTGAGCTTGAA  
201 AGCTGCAGAG TTATATAAAAT GCCTTCAAA ACGAGAAATC TTCATGGTTT  
251 TAAGTGTTCAGC AGCATCAAGC ATCACAGGGG GGTCCAAGCT CAAATACTTT  
301 TCGAGGRATT MMWTTTGTCT GCAAGTGGTA CTGCATCCCT GATCCMAGAA

ug301

1 GAATTCGCGG CCGCTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT  
51 TTTTACTGT TAAAGGATT ATTGCAGTAA TACAACAAAG GTTTAGAAAA  
101 CATCTGTGTG ATCAACCTGA CCTGGAAGTT TCAGTCGCAG CAAGGGGGTT  
151 CTGACGTTGC AGCTTCCCA ATGCACACCT GAACCCCACC CAATGCTGAC  
201 CCCCCATACCA TGGTAAGTTA CATTCTTGG TTCTACGTAA GACCATGAAC  
251 AGCCCGTGTG GTGCCTCTGA GTGTCTATTAA GTATTACCTT GTTCCAAGAA  
301 ATCATTTTA AATGGAAAAC ATGATCAACT TCTATGGCTT TCGGTTAAA  
351 AAAAAAAAAA CAAAWCACCA GCTTCA

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ug303

1 GAATTCTCG TTTTGCTGT CACCAGCAAC ATTGCCTCGT CTAACATCTT  
51 TGACCGACAC GTTCTTTACA TTGAAGCCCA CATTGTCCCC AGGAAGAGCT  
101 TCACTCAAAG CTTCATGGTG CATTCAACA GACTTGACTT CAGTTGTTAC  
151 ATTGACTGGA GCAAAGGTAA CCACCATGCC AGGCTTGAGA ACACCAGTCT  
201 CCACTCGGCC CACAGGGACA GTGCCAATGC CTCCAATTTC ATAGACATCC  
251 TGGAGGGGCA GTCGCAGGGG CTTGTCAGTT GGACGAGTTG GTGGTAGGAT  
301 ACAATCCAAA GCTTCCAGCA GCGTGGTGCC ACTGGCACTG CCATCTTGC  
351 GGGACTTTCC ATCCCTTGAA CCAAGGCATA TTAGCACTTG GCTCCAGCAT  
401 GTTGTACCA TTCCAACCAG AAATTGGCAC AAATGCTACT GTGTCAGGGT  
451 TGTAGCCAAT TTTCTTAATG TAGGTGCTGA C

ug304

1 GAATTCTTT AACTGTATTA CTGAATACCT GAGGTAGTTG AGTAAAAATG  
51 CACGTTTAAT ACCCTGCCAA CAGCGGCTGG CACTTCCCTT AGGTTATCCA  
101 TGTTAGTGTT AGAGAACAG GAGACAACAG CTCTTCTATT CTAATGGCTT  
151 AATGTTGTGT TCCTCTGACA ATTCTACTTT GATCCAATT CAACAATTGG  
201 ACTTAGGAAC AATCTAGTTT TAAATTATT TGATAAAATT AGTGAATGTA  
251 CCATTTATDC CAATTCTGG CATTATAGAG GGATATTAAG AAAAATTAGC  
301 ACGTTGTAA TACTTGATA TCACAAGGGA AGTGCAGAGT TCTCTTCCT  
351 TACCCCCACT TTTGTTGTT TGGGGTTTTT GTTTTGTTT TTATTTAGC  
401 TGTTTTTGT GCATGATACA AGTTWAGATG CCCTGGATGT TTGATTTGG  
451 ATGACATGCT ATGYCTTGT CAGTGGTGGT TCATTTGCAG TAAATYGATT  
501 GAGGACA

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ug305

1 GAATTCTGGA TATTAATGAG AGACTACGGG TATCGAGATA TCAAGAGTAG  
51 GAATTAAATC ATACTCCAA TAAGAGAAC A TATTCCCACA ACAGAAATAC  
101 TCATTCCCCT AATTGCAAGG AAGATTTAA GGCAGTGAGT CTCAAACTGT  
151 AATCTTACCA CCAGCAGCTG TAATGCTGCA AAAATTCTCA GGTTCTACCC  
201 AGACCTACTA GATCAGYBCT GGGGGTTAGC TAGGCAGCCT GTGTGCTAAC  
251 AAGTCTCTCT GGGGACTCAG GTACACAATG AAGTTAAGA AAAGTGCTTT  
301 TCAGGGCTGGG GATACAGTTC HGTTGGGAGA ATCTTGCCTA ATATGTTCAA  
351 GGCCCTGAGT TTGGTTATCA GCATTACATA AGTGTGTGTT TGTACATGCC  
401 TGTCTCTTT GGGAGGTAGG AGATAAAAGG

ug306

1 GHCCCCCGGC TAGAGCGGCT TTTTTTTTT TTTTTTTGT TTTTGAGGC  
51 AGGGTTCTC TGTATAGCCC TGGCTATCCT GGAACTCACT CTGTAGACCA  
101 GGCTGGCCTC GAACTCAGAA ATCTGCCTGC CTCGCCTCCC CAGTCTGGGA  
151 TTAAAGGCGT GCCCACCCT GCCCAGCTT TTTTTTTTT TTTAATCCTT  
201 TTTATTTTT TTAATAGCTA AGTGGTTGA CTGGTTTCA GTGGTAGACC  
251 ACGTGGAAAT GAGAATATT ATCA

ug307

1 GAATTCCCCG GCTCGAGCGG CCGCTTTTT TTTTTTTTT TTTCAGAAAG  
51 CCAGTTATT TCTAAGACTT TGTCTAAAA CTTTAGCGG GTACCAATAG  
101 TTACCTGCCA TACTCGCACC AAGTTGTCTG TATAGCCAGC AAACAGAGTC  
151 TKGCCATCAG CAGACCATGC CAAAGAGGTA CACTGGGGTG GCTCTGCCCT  
201 KCTGCTGGTG CTGATAACTT CTTCTTCAAT TCATCTACAA TGATCTTGCC  
251 CTCCAAGTYC CAGATCTTGA TGCTGVGCCA TGGCAGC

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ug308

1 GAATTCGCTC TCCTTCCCTC GGAACAAACAT TAGCTACCTG GTGCTCTCCA  
51 TGATCAGCAT GGGGCTCTTC TCCATCGCTC CCCTCATTAA TGGCAGCATG  
101 GAGATGTTCC CTCGGCACAG CAACTCTACC GCCATGGCAA GGCTATCGC  
151 TTCCTGTTTG GTTTTCTGC TGTCTCTGTC ATGTACCTGG TGTTGGTACT  
201 GGCAGTCCAA GTTCATGCCT GGCAACTGTA CTACAGCAAA AACTCTTAG  
251 ACTCTTGGTT CACCAGCACA CAGGAGAAGA AACBGAAATG AAGCCTGCTT  
301 GATAAACTGC TCTCGAGGGG TAAAACCTAG GBCTCCCATT GAGCAGCGTK  
351 AAGGGAGCHG TCCAGACTCT CCATCGATTG TVGCATCTGT GATGTTKGVC  
401 ACC

ug309

1 GAATTGGTT ACCATCGTTA AGCCAATCGT TTATGGCAAT GTGCCAGGT  
51 ACTTTGGAAA GAAGAGAGAA GAAGACGGGC ACACTCACCA GTGGACTGTG  
101 TACGTGAAGC CCTACAGAAA CSAGGATATG TCAGCATATG TGAAGAAGAT  
151 CCAGTTAAA TTACACGAAA GCTACGGCAA TCCTCTAAGA GTCGTCACCA  
201 AGCCTCCATA TGAAATCACA GAAACARGAT G

ug310

1 GAATTGGCC ATCTGGCTTA GGTGCCTTAC ACTGGTTGCA TTCATTCTC  
51 CAAGAGAAGT TCATGTTCTC ACATGTAGGA TTAGGACACT TCCAGTCTCC  
101 AGCTCGTTGC TGTCCCTCAC CTCCACCACCC TCCACTGGGG AATCCTCCCC  
151 GGCCACCACCC ACCACTGCCA CCTCCTCCAT AGCCTCCACG GCCCATGGGT  
201 CCTCCTCGVC CTCGGCCTCM VCGACCATT CCACCACCCCC GATTGAAGTC  
251 AGCTGGCGG GTAGCAAATG AAAACTTAA TAGGATTCCC AGAGAATTCT  
301 TTACCATCAA AACMAGTCGA T

145/472

ug311

1 GAATTGGCG GCGTTATT GGAGCAAATT CAGCTCCGG AGCTGGACGG  
51 TTGAATGCAG GAGGAGTTCC ACCAATTGCT CCAATTCTT CCATTGTTGC  
101 AGCTTGGCCA AAACGTTAG TTGTTGGTGG GGTCAATCCA AGGGTTCCAT  
151 CTGGCATCAT AGTGGCAGGT CCTGGAGGAG CTGGAGTACC AGGTGGCACA  
201 GGAGCAGGGG GCATCGCGCC TCTATTGTT ATGCCCATAG CACCTCCAT  
251 AGCCATTGG CCCATCCGTA TCTCTTVTTC TCTCGCATCA GGGAAAGGTTC  
301 CCTTGAATCC TTCCWGCCT

ug312

1 GAATTCTTCC ATATTGTAT CATGTAGCTG TGCTTTAGC TTTTCATTTC  
51 CAGCTAAAAT TTGTTCATAA AGCTTTTGAGTCAGTTGA GTCACTCCTT  
101 TCTAGCCTGC TACTGTAAGG TTTCTGTCT TCTAAGTAAC TGTATGAAGC  
151 AGAGCGACCC AGCAAGGAAT CATAACGATC ACTTGATGAT GTGGAACACTGC  
201 TGTCATACCT GGAAACAGAA TCCGTCTAGA AAGTAAAAAA AAAAAAAAAT  
251 TTCKGSCCKC HCGADCAGGG AATTCCACCA CACTGG

ug313

1 GAATTCCCAG TTCTGGCTG TTATAAATAA GGCTGCTATG AACATACTGG  
51 AGAACATGTGTC CTTATTGCAA GTTGAACAT CTTCTGGTA TTTGTCCAGG  
101 AGAGGAATTCTGGATCTCTGGTGGTGT TTTTTCAA TTTCTGAAG  
151 AACTGCCAGG CTGATTCCA GAGTGCTTGT ATTAGCTGC AATCCCACCA  
201 ACAATGGAGT GTTCTTTT CTCCACATCC TCGCCAGCAT CTGCTCTCAC  
251 CTGAGTTTT GAHCTTAGAC ATTATGACYG GTGTGAGGTG GAATCTCAGG  
301 GTTGTAA HGTGCATTYC CYTGATAATT AAGGATGTTG ACMTTCAGG  
351 TGCTTCTCAG CCATTCAAGTA TTCGTCAAGG

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ug314

1 GAATTGACA AACAGTAAGA CTTGACTGG A ATATCTAGTT ACAGAAATAC  
51 CCAGGGAAATT CTTTGGTCTT ATCATTAA GGAAAAAGAA AAGCAACGGC  
101 AAGCAGAATT ACAGGAGAAH GAAATCGCAG AAAAAAAAGTT TAAAGAATGG  
151 TTGGAAAATG CAAAAAATAA ACCTCGTYCG CTGCAAAGAG CTATGGTTAC  
201 TCCAGTGGAA ACTTACAGGT TGGATTTAC GTCTGTGCTT ACATAAATAT  
251 GGTTTGAGA AGCAAATGAT ATATATAGAA ATGTATAAAA GTAATTTTC  
301 TTTGAAATTAT T T T T T C T

ug315

1 GCGCTAGGCG AGCGCGCCTG CCTGAAGCTG CGCATTCCG ATCAGAAATG  
51 ACCCAGTCGT CGTCCTCTCG GCACCGAACATC GTATGATTCT CCSCCAGCAT  
101 GCTT

ug316

1 GCGGTAGGCG AGCGCGCCTG CCCTGAAGCT GCGCATTCCC GATCAGAAAT  
51 ACCCAGTCGT CGTHTCTCTC CCCGAATCGT ATATTCT

ug317

1 GAATTCCGCT GCCTCAAGCT GGCTTAAGTC CTGCTGAGAT TCAGCAACTA  
51 TGGAAAGAAG TGACTGGAGT CCATAGTATG GAAGACAACG GCATCAAGCA  
101 TGGAGGGCTA GACCTCACGA CTAACAATTCTCCTCGACT ACCTCCTCCA  
151 CCACGTCCAA AGCATCTACC ACCCATCACA CATCATTCCA TAGTGAACGG  
201 ACAGTCTTCA GTTCTGAATG CAAGGCAGGA CAGCTCATCA CATGAGGAGA  
251 CTGGGGCCTC

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ug318

1 GAATTCCGAG GCCAGCGCCG CGGTGGAGAA GCTAGTTCC GGCGTGCAGC  
51 AGGCCGCCGA CTTCGCCGAG CAGTTCGTT CCTACTCGGA GAGCGAGAAG  
101 CAATGGAAAG MGCGCATGGA GTTCATCCTG CCACCTGCCT GACTACCGAG  
151 ACCCACCCGA CGG

ug320

1 GAATTCGTAC AGTCACCAAA GTCACATTTC AGAGGAAATC TTAATAGATC  
51 TTCTCACAGC CAAAAATGCA AGAACACAC ATTTATAGT TTTAAGTTG  
101 TATCTCAGAG CCTCAGTCCA TACAGAACAA AGTCAGCCC ACAAAATCAG  
151 TTCAAGGAAA ACAAAAGTTA ATTTGCTTGG GCTTCCTAGC TAACACTTGG  
201 CTATTTCCC ACTCAGGTGG AGGAGTGTGT AATTCTGCCA GTGCCCGGGA  
251 GCTGAGCACC CAGGCTAAAA CACACAAAAA AACACAAGTT AGGTCTGGT  
301 GCTGAGAAAG TTACAGTTAG AGCGGAGGCT GCTGACAGCC TGGAGTTCT  
351 GGAATGATCA CAACTCCAGC AGCACACCT TGACTTACAA TTGRCAGCTC  
401 TGCTCTACTC TGGGGTCTGA AAACCCAGA GAGGCGCAA GCTGACTCTA  
451 AGAGGCAAGG TCTGTCTTGC TGTTGTTCTA TTGCCACGAA GAGACACCAT  
501 GACCAAGGCA ACTTGAAAG CATTAAATTG GGGGGKTCAT GGATCCAAGG  
551 GG

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ug321

1 GAATTCTGG AACTCACTCT GTAGATGAAG ACTGTAGCAG AACTCAGAGA  
51 CCCACCTGCC TCTGCCTCTC AAGTACTGGG ACTAAAGGCA TGCAAGCACTA  
101 TTGCACTGCT GAGTTTGTT TTCTTTCT TTCTTTTT TTTTTTTGG  
151 TTTTCAGA CAGGGTTCT CTTATAGCC CTGGCTGTCC TGGAACTCAC  
201 TTTGTAGACC AGGCTGGCCT CGAACTCAGA AATACGCCG CCTCTGCCTC  
251 TGCCTCCCGA GTGCTGGGAT TAAAGGCATT CGCCACCAAG CCCGGCCTTC  
301 TTTTTTAAG ATTAAAAGTA ATTACTTT ATTAAATTAA AGTTATGTGT  
351 GTGTTTTCT CTAGGTATGT ACATAAGAAT GCAGATGCC ACACAGGTCA  
401 GAGGCATCAG ATCCTCTGG AGTTAAWGCT ACAAA

ug322

1 GAATTCTGAG TGAGCTGACC CAAGGCCAT TGGGCTCAGA CCTGCTGAA  
51 TATGCTTGGT GACACCTAAA CCTGCGCGCT GTTCTCATTT TGGAACGTG  
101 TCTGGCTTT GCTTTCTT CCGCACAGGA AACTATCATG AAATTCTTC  
151 CTTTGCTTG GTGCCAAAGC TTCATCTCAT CCATTCTTC AGCAGCCATT  
201 TCCTGAGTGT CTGCACTGTA CTGGGCCTGG TTAAAGGCCA GGGAAAAAGC  
251 AGATGTTGGA AAAGAACGCT GCATACTTCC GTAGAATGTA AGATGTAAC  
301 CAGAGTTGAG AAAAGGGAGG GGTGACATT GTAACTTTT CCCTGCTGT  
351 ACAGTCTACA ATAAATTATA CTACATAAAA TTCTTAACA GTATTCTTA  
401 ATGTAGCTGA CCCATTAGGA TGGAAA

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ug323

1 GAATTCGCTC CAACCATTCT GGTAGGAAA GAGTGTGAGC ATGCTTCCTG  
51 ACAACTGCTA GAAAAACTGT GAGTTGAGTA CACTGCTCCT CTTTATTATG  
101 GCCCAAACCT CTGACCTTCG GTTCTTTG CAAGGAAC TG AAGAAAGAGC  
151 TGAGACCTTT CTTATTCTGT GGAATGTCAG AGGAAGATCA CATGACAAAG  
201 GCTGAACACT TTTAGCTTG TTGTGTACTA AGTCCAGTGT ATCAAATAAG  
251 AAAATAACTT ACTCTGGCTG CTGTAGGGTG GGAGATGAGT ATCATGGATT  
301 CTAGACAAAG TGACCAACTC TCTCTCATAT ACAAAVCACA CTCTGGGGGR  
351 CTCCCAAAGC GATCTTCCTG AAAGCTAGAC TTCTGTTAAG TAACTCCAAC  
401 AACACAGTCT CTTBGGTGAA TATGTAAGTT TTTTAAAAT ATTTTAAGA  
451 AC

ug324

1 GAATTCCCTGC CATTCCAGG AGATTGCTGA GCATCTTCAC AAAAACAGA  
51 ACTTTCCAAG TGCTGAGTAG GATCACCACCA TAAATAATAC TCTTCTTGTC  
101 CAAATTGCTC CATAGAGTCA CAGTACACTT CACTATCTGA ATCACTTGT  
151 AAATGGTGTA TTCCTGAAGC ATCTTCACTG GGATCTTCAT TTCTATCTTG  
201 GTGAGCACAG ACAATGGGT TCTGTCTGCT GAGAGCTCTC ATCTCCAGGC  
251 TTTTCATCTT CACVCTTCTG GTGCCCGGGA AGAATCAGTA TGAATGTCAC  
301 TCTGTATATC CTGAACAAAG CTACCTTAT AGCCATTGTA ACAATGATT  
351 CCAAATTCTT ATCTCTGATT YCYTCAGCTT

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ug325

1 GAATTCCCGG CCGTCCCTCT TAATCATGGC CTCAGTCCG AAAACCAACW  
51 AAATAGAACY GCGGTCTAT TCCATTATTC CTAGCTGC GG TATCCAGGCG  
101 GCTCGGGCCT GCTTGAAACA CTCTAATTT TTCAAAGTAA WCKCTTCGGG  
151 CCCCGCGGGA CACTCAGCTA AGAGCATCGA GGGGGCKCCG AGAGGCAAGG  
201 GGCGGGGACK GKCGGTGACT CGCCTYKCKG HKGACCGCYC KCTCCCCAAG  
251 ATCCA ACTAC GAGCTTTTA ACTGCAGCAA CTTTAATATA CCTATTGGWG  
301 CTGGAATT

ug326

1 GAATT CAGAC TTTGT CATAA AACTTTAGC GGGTACCAAT AGTTACCTGC  
51 CATACTCGCA CCAAGTTGTC TGTATAGCCA GCAAACAGAG TCTGGCCATC  
101 AGCAGACC ATGCCAAAGAGG TACACTGGGG TGGCTCTGCC TTGCTGCTGG  
151 TGCTGATAAC TTCTTGCTTC AATT CATCTA CAATGATCTT GCCCTCCAAG  
201 TCCCAGATCT TGATGCTGGG CCAGTGGCAG CGCAGAGCCA GTAGCGGTTG  
251 GGGCTGAAGC ACAAGGCATT GATGATGTCC CCACCATCTA AAGTGTAGAG  
301 GTGCTTGCC TTCA TTGAGAT CCCACAGCAT AGCCTGGCCA TCCTTGCC  
351 CAGAAGCACA GAGGGATCCA TCTGGAGAGA CAGTCACTGT GTTCAGGTAG  
401 CCAGTKTKGG CCAATGTTGG TTGGGTCTT AGCTTGAGT TAGCCAGATT  
451 CCACACCTTG ACCAGCTTKK TCCCATCCG

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ug327

1 GCGCGGATTCTTATCACTGATAAGTTGGTGGACATATTA TGTTTATCAG  
51 TGATAAAAGTG TCAAGCATGA CAAAGTTGCA GCCGAATACA GTGATCCGTG  
101 CCGCCCWGGA CCTGTTGAAC GAGGTCGGCG TAGACGGTCT GACGACACGC  
151 AAACTGGCGG AACGGTTGGG GGTCAGCAG CGGGCGCTTT ACTGGCACTT  
201 CAGGAACAAG CGGGCGCTGCTGACGCAGT GGCGAAGCC ATGCTGGCGG  
251 AGAACATAC GCATTGGTG CCGAGAGCCG ACGACGACTG GCGCTCATTT  
301 CTGATCGGGA ATCCCGCAGCTTCAGGCAGG CGCTGCTCGC CTACCGCCAG  
351 CACACTGGCG GCCTCGAGCA TGCACTAGA GGGCCAATT CGCCCTATAG  
401 TGAGTCGTATTACAATTAC TGGCCGTCGT TTTACAACGT CGTGAUTGGG  
451 AAAACCCTGG CGTTACCCAA CTTAA

ug328

1 GAATTCACTTAACTGTGCTGT GATAGGGATGT AGGGGGTGAA GTAAGAGGGT  
51 AAGCGCCTGA TGTCCCTGGC TGCTTGAA ATGGCTGTTG CTGAGGTGGC  
101 TGGAGCTGTG ATATTAAAGA GTCCATCATG TCACCTCCTA TAGGAGAAGG  
151 AGGGTTATCA TCCTCATTAA CAGATCTTCT CCGAGCATCT TGATTGCTAT  
201 CAACAAACAT GTTCAGGAAA GTCTTAATC CTGGTGCAGG ATAGAACCT  
251 TCAACTAACT TGCTGTTATC AAAAAGACTA TAGGCACCGT CCCGTATTGC  
301 CACGACGCCT CGACTACGGC AGTATATGTC AATGCAGTAC ATGTTCCTGA  
351 AGGCCAGTCT GATGTGGGTG GATGATTGTG GTAAAATGGA GAAACCCYGG  
401 TAGGCSGTGT TAGTTCTCTG GTCAAGCCCA ACATTGGAAC AGTAGGGAGT  
451 TTGTTGATAG CATTAAATGG TGCTTGAGTA TCAAACAAAA CCTGTAATAA  
501 CTGACCACAT TTGGTGTTTT GTTGAACATTCTTGAAGTTGA

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ug329

1 GAATTGGCG GAGGCGGCCGG CGGGCGAGGC GGGCGCGAGC GAGCGGGACC  
51 CAGACGCGGG CCGCGCCGCC GGCGGCTGCG GTTCTGTG GGCCATCTGC  
101 TGGGCCGGCC CCAGGAGGCT CCGAGTACCA ATGAGTGCAA AGCGCGGAGA  
151 GCCGCGTCGG CGGCCGGGC GTGCCCGCC GCTACTCCTG CCGCACCA  
201 GTCGGGCACC ATCCCCAAGA AGCGGCAAGA AGTTATGAAA TGGAATGGAT  
251 GGGGCTACAA TGATTCCAAG TTCTTATTGA ATAAGAAGGG CCAGGTTGAG  
301 CTGACTGGGA AAAGGTACCC ACTTAGTGGC TTGGTTTAC CAACTTGAG  
351 AGACTGGATC CAAAACACCC TTGGAGTAGT CTGGAGCATA AACTACCTC  
401 TAAAACATC

ug330

1 GAATTGAAC ATTGCTCAG GTATGAGGCA GGGTGAGAAA GCTGGGTGAG  
51 CCTGCATCTA CAAACTGAGT GAATTATTT CHHTCTGTGT GTGAATGTCA  
101 GCATGACACC CTGAGTAGAA SCCAGACCCT GTCCCCTAT

ug331

1 GAATTCTCA AATATCTATA TAATAATTAA CAACCGTTGT TGTGGAGATA  
51 GGATCTCACT ACACAGTGCA CGATGCCCTC AAAATTATGT AGCTGAGGCT  
101 AGTCTTAGCC TTCCAGGCGC TGGGGTTACA GATATGTGCT ATTACAACCA  
151 GGCTTGGCTT ATACTCTTAG TATGCAAACA TAGCTTCAT ATTTTTATAT  
201 ACCTAATGCA TGCCTATTAT ACAATACACA AAATCATGCA AAGCTATCAC  
251 AAAATTCTGT AGTAGAAACA ATTGATTAA TGCCAACTGT ATGTCTCACA  
301 TAACTCAATT CCTCTTTTA AGAATGAAGT CTTCAATTTC AAGTGATAAT  
351 TCTATTAAAA CTAGAATCAA CACAGTAAAA AT

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ug332

1 GAATTCCCTGC TATAATAACC TAAGCTATTAGTCACAACA GTTTAGCTT  
51 TTCTTTTAT AAGAGTTAA GATTTATT ATT TTATTT TATGTGTATA  
101 AGTATTTGTC TGTGCATCAT GTACATGCCCT GGTGCCATA AAGGCAAGAA  
151 GGGGACACTG GAATTACATC CCTGTAATTG AACAGGGTCC TCTGTAAGAG  
201 CAGACAGTGC TTATAATTGT GAAGTCCTAT CTGTTAGVCC CCAGTTTG  
251 GTTTCAAAA GGGGTAACCTA AAAAATAT TATARAACAG AACATGCTCA  
301 AAATAAAATG TTGGCAAAA

ug333

1 GAATTCGATG TTTCGTCAAGG AGAGATGAGGA TAACAAACTA TTGATAACAA  
51 CATAGCCATA AGAGACCAAT ACTGACTTCA AGACTCAAAA GAACACAGAC  
101 CCTAAAATCA CAGCTTCAG GCAGTGTGTT TCTAGACCAC GGGGCAACTG  
151 TACMGCACAA AGCAGCATGT GACAAGAAC ATCATTGACA AGGCAGTTCT  
201 CATGGGGGAT GGAGCAGGCT AGTGGGGGTC GGGGTCAG CYGGAAAMCT  
251 TCAGACCGCA T

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ug334

1 GAATTCGCGT CGGACCTGCG GAGCCCAGGA TGGTGTGCT CGAGAGCGAG  
51 CAGTTCTGA CGGAGCTGAC CAGGCTCTC CAGAAGTGCC GCTCGTCGGG  
101 CAGCGTGTTC ATCACCCCTCA AGAAATATGA CGGTCGCACC AACCTATCC  
151 CGAGGAAGAG TTCTGTGGAG GGCCTCGAGC CTGCAGAAAA CAAGTGTCTG  
201 TTGAGAGCCA CGGATGGGAA AAGGAAGATC AGCACCGTGG TGAGCTCAA  
251 AGAAAGTGAAC AAGTTTCAGA TGGCCTATTG AAATCTACTG AGAGCCAACA  
301 TGGACGGGCT GAAGAAGAGG GACAAGAAGA ACAAGAGTAA GAAGAGCAAA  
351 CCAGCACAGT GACAGGCGTT GGCTGCTACC AACCAAGCTGC ACAAGTGCAT  
401 TTTCTCTG TTTGCTGCTT TCAGCACCTC TGTATGTAAC TGTTCCACG  
451 GAAGGGTCCT TTAAGAGAGA AGGACTGGGA TGGGCATGGG CTAGTTGTBG  
501 TAAGACGCCA KTTTSATTG TGCYGTGTGG GCTGGATATT CTTAGATTCC  
551 AGCCGTA

ug335

1 GAATTCCATT GGCAATTCT TTTCCAATT CCATAACTT ATTCAATTCC  
51 AAAGAGAGCT GGTTTCATC AATAGGCAAA CTTTGTTCCT GACGAATCAG  
101 TCTGGCCACA GAAATCATAA AATCCACATA TGCTGTGCAA GCCTTTAT  
151 ATAWTCCAGT GCACTCAGAC GCATGCCYC AMGCATAGTT ACAAC

ug336

1 GAATTCTTG AGAATTAAAA TGAACGAAAA TCTATTSCTC TCATTCATTA  
51 CCCAACAAAT AATAGGATTG CCAATCGTTG TAGCCATCAT TATATTCCT  
101 TCAATCCTAT TCCCACCTC AAAACGCCTA ATCAACAACC GTCTCCATTG  
151 TTTCCAACAC TGACTAGTTA AACTTATTAT CAAACAAATA ATGCTAATCC  
201 ACACACCAAA AGGGACGAAC ATGAACCCCTA ATAATTGTTT CCCTAATCAT  
251 ATTTATTGGA TCAACAAATC TCCTAGGCCT TTTACCAC

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ug337

1 GAATTCCCTTG TGTGCCTGGT CAGCTCCATA CACCCAGCAA TTCACCTGTA  
51 AGATCTGTCC TGCTTTGGAG GCCGTGGAGT GGAGTCTTCC TTTTCAGGA  
101 TGAAAGAAGT TGGCTTCTCC TAAAGACAAC AGTCTCAGAC AGGTCTCAAG  
151 ATTCCCTGTT CTCACACTTG AATGGGTCAT ACTGAGATCT TTCCGTC

ug338

1 GAATTCTGGA GTTCCGCAGC TTGACCCACA CATTGCCAG AGGTGAGAAA  
51 GTGGCCGCTG AGGTCTTGCT GCTTCCCTGA GGCGGGTTCC TTCACGAGAG  
101 AGCAGTAGTC GTTCTCAAGG TGGGGAGCGA AGGGGCTGCT GGCCCCGCTG  
151 CGGCHCGCCA CAGGACAGAC CATCGGAAGA GCTGTYVGCC TCAGAGTTAA  
201 GGGATGGCTT CTTGGGGCCC AGGCAGGGAG

ug339

1 GAATTCATGG AACTACTCCA TCAATAGGCA AAGTGGCATT GATTTTTATC  
51 TCDATTT

ug340

1 GAATTCCCAA AAGTGAATA AGATGTCCAC ATTAAAAAAA TAAAGCCTAC  
51 AAAAAAGTTCTGGAGCTAAA AAAATTATTC ATATGGCACA ATGTGATCTC  
101 CAAGGTCCAA AATATTGAAA TGAGATCCGT GTAAGCATCC TGTCTGCTTT  
151 TCAATGCAGC ACTAACTTTA CTGAGGTGAA ATCACAAATT AGTTCTTCAG  
201 TCAACAAAGTG GACACAAATG TTTTCTACA GTTATTAAAA ACAGGAGATC  
251 AAGTTGAATG TDCCGAAATG ATTTCTTCAG TTGGATATTT TAGTATCTTG  
301 AAGAAAATTA GTDAAGGGAT ACTTGTGTT TCCATAGCYT GATAGACCAA  
351 AACAAA

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ug341

1 GAATTCGCAC GCAAGCCCTA TCATACCACA GGAAACAGAG CACAAGAGAA  
51 GTGTACAGTG GAGTGGGCAT SCGTAAAAAG ATGGTGTTC CAAGCAGAAG  
101 TATATGCAA GRCTTGCTA AACAGAAACT GAACAGATAG CTTATACCAT  
151 TAGATCAGAT TTTGAAGGGT TTTAGGATGC ATGGAGATGG GCCACTAGGG  
201 TTGACTATGA CCGAGGTCAAG GTATTATGTG TTTACTTAAG ATTCCCTTCT  
251 DSCGATGAGA ATGCATTCTG ACTCCAGCAT GCACCAGGTG CGCTTDCTDC  
301 CCAGADCTGG GATTGCCAAT TCCAAGTGTK CCTAGCCTTG AGGATTGACC  
351 TTGGSCCTGA GCATAGCCTGT

ug342

1 GAATTWCAGC TCWCHCTTCC TCAGTHCTT CAAAGTCACA GGAACCTGGC  
51 AATTCCTT TTCAATTCCCC CTCCCACCTTC CCTGGTAAGT HCCTCTCGGA  
101 ATATCACAAG AGTTCCAGA HCTGGTTCGG ATCACCTTC CTGTAATTAA  
151 TTAATTATGA GAAGAACAG ACAGTACAAT AGATCTGATA AGATGTAGCA  
201 TTCTTGTAA GATTAACAA TACATTATC MAAYHGTATC AGAACAAATT  
251 AACATAATAT TTAATCTTAT MMVCACCAAT AACCACAGGA ATTGTTATT  
301 CCAARDGGAG AGTCTTGTAA GAA

ug343

1 GAATTCTGTT TATGTAGCAT ATAAATAATA TAAAATTAAA CATAAAGAAC  
51 TTGTTATTGTT ATTGTAAGTG AAAAAAAATAA AACTAGAATT GTCATATTAA  
101 TGGTCCTGCA TATCAAATAA TTTCACCAA GTCTCTGTAA TACATACTAA  
151 CAGCATTAGA CACAGGGAAA CAATCAAGAT GATCAAATT ATAACAAAAA  
201 ACTGTATTGC TAACATTGTA ACATTTATA AGAGTTAATT GAATAGTGAC  
251 CAAAGTTCTC CCTTAACCCT TCCATCTGAT GACTGTGAGA TTGTTTTTA  
301 AGTTTGCTGT AAAAGAAGAC TTGCCTTGGC CWMCTATACC TYCAACCAAT  
351 CTATAGAATT CAGAGGACCA GGAGGGTAC

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ug344

1 GAATTCCAAC AGTTTGAAA GTAATTAAGA GAAATCACAA ACAGTTAATT  
51 CTGTCCTCCA AAT

ug345

1 GAATTCTTT AATACAAGTT ATTGTCGAAG AAATCACTGG AGGGAGAAAA  
51 AAAAAATCTT CTTCAWCCC CAACACTAA AAAGTAACAC ATGAAAGGAG  
101 AAATCTGGTA ACAAGCAGGA TAGACTTCAT TCTAGTAAAA AGAAATAATG  
151 TTCAAAACA CAATCTAAAG CAGGCTCCA TTAGCAAAGA AAT

ug346

1 GAATTCGACG GCCGTTTTT TTTTTTTTTT TTTTTTTTTC TTTCTTTTC  
51 TTTCTCTTC TCTCTCTTS TCTCTCTTC TCTTCTTTTC TTTCTTCTT  
101 TCTTCTTTT TTGGTTTTT TCGAGACAGG GTTCTTTGT ATAGCCTGGC  
151 TGTCTGGACT CACTCTGTAG ACAGGBGGCT CAAACTCAGA AATCTGCTGC  
201 TCTGCTGTTG AGTGTGGGA TAAAGGCGTG CCACACACTC GGCTGAGAYC  
251 TG

ug347

1 GAATTGGAC AACAACTCCC ACAAGAAGAA CATCTCGAG AAACCCTCA  
51 GGCTCGCTAC GTGCGTGTCC TTCCAGTSTC CTGGCATAAC CGCATCACCC  
101 TGC

ug348

1 GAATTCCAGA TCCCATTACA GATGGTTGTG AGCCACCATG TGGTTGTTGG  
51 AAATTGAAC T CAGGACCTCT GGAAGAGCAG TCAGTGCTCT TAACCATCTC  
101 CCCAGCCAT GTCTTACATG TTTRTTAAA TGAGGAACGA TAGTGTGGTS  
151 ATT

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ug349

1 GCGTTAGGCG AGCAGCGCCT GCCTGAAGCT GCGGGCATT CCGATCAGAA  
51 ATGAGGCCA GTCGTCGTCG GCTCTGGCA CCGAATGCGT ATGATTCTCC  
101 GCCAGCATGG CTTCGGCCAG TGCGTCGAGC AGCGCCCGCT TGTTCTGAA  
151 GTGCCAGTAA AGCGCCGGCT GCTGAACCCC CAACCGTTCG CCAGTTGCG  
201 TGTYGTCAGA CCGTCTCCCG ACCTCGTTCA ACAGGTCAG GGCBGBACGG  
251 ATCACTGTAT TC GGCTGCAA CTTTGTCA TGACTT TATCACTGAT  
301 AACATAATA TGTCCACCAA CTTATCAGTG ATAAAGA

ug350

1 GAATTCTTT TTTTTTTTT TTAAAGACT TATTTATTAT TAAATATAAG  
51 GACACTGTAA CTGTCTTAG ACACACCAGA AGAGGGTGTC AGATCTCATT  
101 ACCAATGGTT GTGAGCCACC ATGTGGTTGC TGGAATTGA ACTCAGTATC  
151 TTCAGAAGAG CAGTCAGTGC TCTAACAC TGAGCCAAT CTCCAGCCCC  
201 CCAAAAGACA GCCAGCATT AACTGAGCTT AGAGCCAGCC TGGTTATGTA  
251 TCAAGTCTGT GTCTAAAAT GAAAAGTGAA A

ug351

1 GAATTCTTC AACTCCAATC TCTGACTTTR CTCATTGCTT CTCAGCTTCA  
51 AAATGCAAGC ACAGACTACA GCTAACTGAG AACTGGCTCC ACTCAGGGGC  
101 TATGGCGCAG GAGCCCTGAC GCATGCCTCC GCVGCTGCC CAGGCTCTTA  
151 CCAGCAGGTA GTGCTGGCGG TGTCAGCTG CTGCCTCATG CTGGGCAGGC  
201 TCTKCTGCCT GTGCAACATG TCTGACGGAA GTTAAGGCCT CCAGTCTAAC  
251 AAGGTTCTC AC

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ug352

1 GAATTCTTT TTTTAATGG CTTTTGTAA CATCGCTGCA GGAAGCGGGT  
51 TTCTTGTTT TCTTTCTTT CTAAGAGAAG GTATCTCCCT GGTGCAATAG  
101 CTCGGCACCG CGGGCGGGGG CCTCTCGACA CACCCCAGCC CTGGGCTCCT  
151 CTGGCCTCCA AATCATTAG GATGGTGAGG GAGGATGGGA AGGAGGGGGG  
201 AGGGGGACAG GTAAATCGCA TCTGCGCCCA CTTCTCTCTC TACCTCCTT  
251 TGGAGAACCA GCCAGCCTGG ACCACTTCT CCATCTTAGG ACAACTTGAG  
301 GCTCCTTGCT CTCATCTGTG CTTCAGAGAA TTCCTTCCC TCCHGGGTT  
351 TGTCTGGTTTC TCAGCAGGGT TCCCAGGCCA CTGTGCAGTG GCATCTAGC

ug353

1 GAATTGGGG GAGAAAGAGA GGGAGGGAGA AAGAGAGAGA GAGAGAGAGA  
51 GAGATCTTGT TCTCCTGGCA CAATATTAAC TGTTATAAT TAAGCTAAA  
101 ACTTGTCTG GTATTTATG ACATCAGGGA AATTCTTCC TCTCTAGGCA  
151 GATTGCCAAA AACAACTAGA AGCTAAATGC CTGTGCCTTC TGCTTCTACG  
201 ACACACCACT CCGTCTTGTT CAGTTCAAC TAGCGTCGCT CTAAAAGGAC  
251 AAAAAACTTC TTGTTTTCT AAATAAAACA TAAATGGCCC AGAATTGAA  
301 TTGCCGATCT TAAAATTTA AGTGAUTGAA GATTCTATT ATTCTGGCAA  
351 TAAAATCATT AAAACAAAAA CAGGTTGCAT AAGACTTTA AACAAATTCAT  
401 TCACAGGCAT GAGAATTAA GGTTCTTT AAAATATAAA ATGCTAAAAC  
451 AATAAGTCTA ACAGGAGAAT ATGAATAATA CMATATTCTA AGAAAAAAAC  
501 CCACAAAGAC AAACATGACA TTTCATTCA AGCTCATTCA AATAAACCAA  
551 GGATTAAACC TTAGTTTAA CCTGTTAATT TTCCTTTTR YTTTAGTATG  
601 TCTGATGTCD CATGTACGRT ARCCAGAAGG CC

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ug354

1 GAATTCAACCG GCTCGACGGC CGCTTTTTT TTTTTTTTT TACATAAAAAA  
51 GACTTTATTT GCAGGGGAGC AGGAATTAA TCAAACAAGC CAAATCCAT  
101 GTCGTCATCC GACTCCTCGG ACTCCTCCTT CTTCTCATCT TTCTTCTCCT  
151 CTGCTGCAGC GGGGGCAGAA CCAGCAGCAG GTGCTGCAGA GCCAGGGCA  
201 GCAGAAACAG CCACAGCCCC ACCAGCAGGC ACACTGGCCA GCTTGCCAAC  
251 ACCCTGACGA TGACATCCTC AATGTTCTTT CCATTCAAGCT CACTGATGAC  
301 CTTGTTGAGC CGATCATCGT CCGCTTCGAT GCCCACCTGT CTAGTATTTT  
351 CTTGATGTCT TTGGCACTAG GAGAGG

ug355

1 GAATTCRGCC GCTTTDRRTT TTTCATTACG GTAAACAGGA ATATATTCA  
51 ATGCTAACATRC CTCCTTGAC CAGAAATGGA ACATGCTGAA GGATGAAGAC  
101 AAGGATCTTT DVCCCTTGCT TGAGGTACCH GARCTGGTGA CGTCAGTTA  
151 TTCTAACAGT GTCATTCAAGT CACAGTCATG GCCTGAACCA GAATGTGTGT  
201 GTGTGGTAAA AATATCTGTC TTCACAACAG TTTCTGGTGC RTTGTAGAAT  
251 AGCACATAAC TGCTTTCTRC AGTTTGTDCT TTGACAGTAT AATGTATGTT  
301 GGTCAATATT AACCCAAATC ATCTCTCCCT CTAACATTGC AACACCCC

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ug356

1 GAATTCGCAC TTTGATGTG TCAATCCTCA CTATTGAGGA TGGAATTTT  
51 GAGGTCAAAT CAACAGCTGG AGACACCCAC TTAGGTGGAG AGATTTGAC  
101 AACCGAATGG TCAATCATT CATTGCTGAG TTCAAGCGAA AGCACAAGAA  
151 AGACATCAGT GAGAACAAAGA GAGCTGTCCG CCGTCTCCGC ACGGCCTGCG  
201 AGCGGCCAAG CGCACCCCTCT CCTCCAGCAC CCAGGCCAGT ATTGAGATTG  
251 ATTCTCTCTA TGAGGGAAATT GACTTCTATA CCTCCATTAC CCAGGGCTCGA  
301 TTTGAGGAGT TGAATGCTGA CCTGTTCCGT GGCACACTGG ACCCTGTAGA  
351 GAAGGCCCTT CGAGATGCCA AGCTGGACAA GTCACAGATC CATGATATTG  
401 TCTTGGTGGG TGGTTCTACC AGAATYCCA AGATTCAAAA CTTCTGCAAG  
451 ACTTCTTCAA TGGAAAAG

ug357

1 GAATTCGTCT TCAACGGCTT CTGTAATCT CGGTGACCCC ACAAGGCGTA  
51 CTGAAGGAGA TTACTTATCG TACAGAGAGT TACATTCAAT GGGAAAGAACT  
101 CCAGTCATGT CAGGATCACA GAGACCTCTT TCTGCACGAG CGTACAGCAT  
151 CGATGGCCA AATACATCCA GGCCTCAGAG TGCCCGTCCC TCTATTAATG  
201 AAATACCAGA GAGAACTATG TCAGTTAGTG ATTTCAATT CTCACGGACT  
251 AGTCCTTCAA AAAGACCAAA TACAAGGGTC GGGTCTGAAC ATTCTCTGTT  
301 AGATCCTCCA GGAAAAAGCA AGGTTCTCA TGACTGGCGG GACAGTACTA  
351 CGACACATTG AGGCCAAAAAA GTTAGAAAAG G

ug358

1 GAATTCCCCG ACTCGAGCGG CCGCTTTTT TTTTTTTTT TTTTTTTTTT  
51 TCCAAGCAAA CCAACACACT TTACTGTGGC GCAGGGCTGCC TCAGACTGTT  
101 ACTTATTCA GCCCAAGAAC TAGAAGGACT TGACCAGCTT GGACAGGCAT  
151 CTGCTCMGCT CCAGGCTTCC ACGAGTCCTG GCACAGAAGG GTTCTCTGAA  
201 AAGTCTACCA CAGGAAGTGT GTCTCGGCAC ATGCCAAGT

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ug359

1 GAATTCAATG AAACATACAT TCAGAAGCTT TTCTCATTCT CTTGAACAAC  
51 ACAAAAGTGAA AAGTGATAAT AATGGTGCAG AAGGTGTAAC AGCTTTTCC  
101 TGTAATACAC AGGTAACACT CCTCCTAACCA GTATTTGGTG AAGATGATCA  
151 ATCTCAGGAT GTTATAAGAT TGCCTCAAGA TGTTAATGAT TATAACCGGA  
201 GATTCTCAGG GCAGCCTAGA TCTGTAAGTA ATATTATAGC AGCTACAAAG  
251 TCAGAGAGAG CCTTTATACT TTTTGACCAA TCAGATTAT CAACCAGCTA  
301 TTGAACTATG TAAAGTCTTA GTATGTVTCG ACTAAGTTT AACCTTCATC  
351 ATTGCCAGTH GCTAGTHHCC CAGAGAGCAG AGTTTATCTA T

ug360

1 GAATTCCCCG GCTCGAGCGG CCGCTTTTT TTTAAGTAGA TTTAGCTTGC  
51 GGACCCCTG GTGTGACAGA GAAGGCCAG CAAAGTAAAA AGTAGCTAAA  
101 AGCTGAGGCC TATGACCCC AAGCCCTTGC TAACCTCCCC TTGCTAACTT  
151 CCTCCTGACC AGAGGTCTCC TGCBGCCAGC AGGAATGAAG CACACTAGCC  
201 TTAGAGGCAG GTCTGCGCTG TGGGTCTGTG GAAGCCTCCA GCCTTCTCA  
251 GCCTCCTGCT AAGG

ug361

1 GAATTCCCTCG GTCAAACCTCC CCACCTGGCA CTGTCCCCGG AGCGGGTCCG  
51 CCCCCCGCAC GCGCGGGACG GACGCTTGGB GCCAGAAGCG AGAGCCCCTC  
101 GGGGCTCGCC CCCCCGCCTC ACCGGGTCAAG TGAAAAAAACG ATGAGAGTAG  
151 TGGTATTCA CGGGCGGCC GCGAGGCBGG CGTGCCCCGA CCCCACGCG  
201 AGGACGGGGC CCCGGCTCC CACTTATTCT ACCCTCTCAT GTCTCTTCAC  
251 CGTGCCAGAC TAGAGT

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ug362

1 GCGGTAGGCG AGCAGCGCCT GCCTGAAGCT GCGGGCATT CCGATCAGAA  
51 ATGAGGCCA GTCGTCGTCG GCTCTGGCA CGAATGCGT ATGATTCTCC  
101 GCCAGCATGG CTTCGGCCAG TGCCTCGAGC AGCGCCCGCT TGTTCTGAA  
151 GTGCCAGTAA AGCGCCGGCT GCTGAACCCC CAACCGTTCG CCAGTTGCG  
201 TGTCGTAGA CCGTCTACCC GACCTCGTT AACAGGTCCA GGGCGCACGG  
251 ATCACTGTAT THGGCTGCAA CTTTGTCTAG CTTGACACTT TATCACTGAT  
301 AACACATAATA TGTCCACCAA CTTATCAGTG ATAAAGAAC C

ug363

1 GAATTCAATT TATTGAAGC AACCTTAATC CCAACACTTA TTATTATTAC  
51 CCGATGAGGG AACCAAAC TG AACGCCTAAA CGCAGGGATT TATTCCCTAT  
101 TTTATACCT AATCGGTTCT ATTHCACTGC TAATTGCCCT CATCTTAATC  
151 CAAAACCATG TAGGAACCCT AACACCTATA ATTTATCAT TCACAACACA  
201 CACCTTAGAC GCTTCATGAT CTAACAACTT ACTATGGTTG GCATGCATAA  
251 TAGCATTCT TATTAATAA CCATTATATG GAGTCACCT ATGACTACCA  
301 AAAGCCCAG TTGAAGCTCC AATTGCTGGG TCAATAATT TAGCAGCTAT  
351 TCTTCTAAAA TTAGGTAGT

ug364

1 GAATTCCACA GATGTACAAG CTTAAAGATT TGAAAGGGAA ACCTGAGAGT  
51 GAACAGAGGA AAGAAAGAAA GAAGGAAAGG AAGAAAGGAA GAAAGGAAGA  
101 AAGGAAGAAA GGAAGAAAGA AAGAAAGAAA GAAAGAAAGA AAGAAAGAAA  
151 GAAAGAAAGA AAGAAAGAAA GAAAGAAAGA GMGAGCGAGC ATCATTTC  
201 AAGTTGGTTT

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ug365

1 GAATTCGCTT GCTGTGACTG GTCCACAATT CCTTTCTTGT CATCACCAAGC  
51 AGCAACCTCG GCCAAGTAAC GGTAGTAGTC ACCCTTCATT TTCAAATAGA  
101 AGACTTGCT TTCTGGTTGC GAASATTGGG GATCAAGAAC TTTTCCAAAA  
151 GAGACAGTAC ATCGTTGCAG ATGTCACGCA GCTCCGTCTC GATCTTCTCT  
201 CTGTATTCTC GAGCCATCTC TGCTTTCT CAGCACCTH CGTCTTCTGC  
251 TCAATACTTG AGACGACCCT CCACGATGAC CTACGGGCTC CTACAACGTT  
301 TTTATAAGCA ACAGAGAGAA GGTTTCTCTC CTCATWCAC AGCTCAGCTC  
351 CCTCTCAGTG ACAGACTTYA TKCAGGCTGC CATGTCATCA TATCGC

ug366

1 GAATTGCCG CTTTTTTTTT TTTTTTTCC CACGGAAC TG ATATATCACG  
51 ATGGAGAGAA CAATGTCTAT GGCTGCACAA ATCCAGAAAT ACTAGAAGAA  
101 AACTAGCCGA AACTCTTGC TAAATGTGTA ATGTAACATAT TGATTACTGA  
151 CATCCTCCG TTTAAATCCT ATGTGTTGAA AATGCAATCT TGGGCAGCCT  
201 GGGGACAAAT GTTCAGTGG TGCTTCAAGT TGAAATCTGC TGCATTGGCA  
251 TGAGGTTGG TGAAMCTGCM AAGTCACAGC CTGTGC

ug367

1 GAATTCAAGA CGTAGGCAGT ACACAGCAGC AGTTCCCTGAG TGTCCCTGTT  
51 TGTCACAACC TGGAGGATGG TGAAGTTCTC CAGGACACTG TTCATCATGT  
101 AGCGTTCAGG CAGCTGACGG AGCTTGTGCA GGAAATTAAC CAGGTACTCA  
151 CACATGGGAG AGCGCASAGA CGGTACACAA AGCGCCCGTC CTCCAGCTGG

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ug368

1 GAATTCTTC TTTCTTCTT CTTCTTCTT TTCTTCTTCT CCTTCTTCAC  
51 ATTTTACAGT ATGCATATCT GTCTTAAGTA CAAATAGAAT TAAGTACAAA  
101 CAGTATAGGA ATAAAATTGG AATTAAAAGT TTGADCTCTT ACATGGCTCA  
151 GTTGGTAGTG CTGTCTGTGC AAGCATATAC TAAGCCAGAT ATGGTGGTGT  
201 GTGATTGTCA TCTCAGCATT AAGGGKGGCA GAGACAGGTG TDCCCTTGGG  
251 TTWCSGCTAG TTAGTCGAGC CAGAATTGCA AGCTCCA

ug368

1 GAATTCTTC TTTCTTCTT CTTCTTCTT TTCTTCTTCT CCTTCTTCAC  
51 ATTTTACAGT ATGCATATCT GTCTTAAGTA CAAATAGAAT TAAGTACAAA  
101 CAGTATAGGA ATAAAATTGG AATTAAAAGT TTGADCTCTT ACATGGCTCA  
151 GTTGGTAGTG CTGTCTGTGC AAGCATATAC TAAGCCAGAT ATGGTGGTGT  
201 GTGATTGTCA TCTCAGCATT AAGGGKGGCA GAGACAGGTG TDCCCTTGGG  
251 TTWCSGCTAG TTAGTCGAGC CAGAATTGCA AGCTCCA

ug369

1 GAATTCCCAA ATGAACCTCTC ACTTCTTAGG GCTTGAGTTC CAGAAGTACT  
51 GGGGAAAGAC TAAAGCCACA GAAGTGTGA TGGGGGACTG GGGAGATTCC  
101 TCAATGGGAG AATTCAAGGTC CCCAGGTCCC GGACTTGGCA ATGTGCCTTT  
151 TAACTGAGAT CCTTGGGGCT GGTGAGACAG AATGTCAGGC TCCCGCTGAC  
201 CCAGTGGTTC TCAATCTTCC TGTGCTGTGA CCCTAAATA TAGTTCACAT  
251 TGAGTGACC CCAGCCATGA AATTTTHGTT GCTATTTAT AACCGTGAGT  
301 TTGTTGTTAT GAACTGTAAT GTAAATTGT TTTCAATGG GTCACAGGGC  
351 GACCCCCCAA AGTGGTGGCG GCACAGGTTG AGAACCACTG GG

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ug370

1 GAATTCGCGG CCGCTTTTT TTTTTTTT TTTTTATTG TCAAGTATT  
51 ATTTATACCT ACAAAAGAAA ACAAGATGGT ATCAAAAGGA CAATTTACAA  
101 ACTAAGAATA GTAGTAACAT AGCTCTGAGC ATCCTGTGCA TAACATCACA  
151 CCTACAATTCAAGTCTCAAT GACAGGAATG TGTGGAGAGA CCAGCAAGGG  
201 CGTTAGCAGA GCACTGATCC CAAGCAAAAG CCACCAACCT TTTTTAGATG  
251 AGAAGTCTGC ACAATGGATG GTTAGGGAGA AGCAGCCCAC AGCCTAACAC  
301 CTAGBCTTCC TAAGTGAGTA ACCATAACGG CATTAACCCA GCTGGAAGGG  
351 TTTGCTGCAC CTGTGCTGAC AAAGGACAGA CA

ug371

1 GAATTCCCCG GCCCTGGCAC AGAGGACTAG GTGTGAGAGT GTGAGGTTCC  
51 CACCCCCACC TTTCCTGCGC BGCTCCCTCC CCCCACACA GCCACCCCTCC  
101 GTGCTCACCB BCTGGGAGCT TGTTGCTTCT TGTTCAAGGB GCGTAATTBC  
151 GACACTCTCT AGGGCGCAGG GAGCCCTGAT TTACATATTCTCCTCBGAGTB  
201 CBTTCCCTGG TAGGGATTCT CTCTTBGGTT CTGACACCAG GGACAAGAGT  
251 BCARACTGGA AAAA

ug372

1 GAATTCAAGAA CCAGAAGCCA AAARCCAATA AAAACAAAAAA TACTAMCAAG  
51 TCACTTWCCA GCTTTAAATG TTAAATATT GCATGGATCA ATTTAGAAG  
101 GGCATTGTAT GTAAGGCATA CTGTRGCATT TCAGTCACCA AAAGAAACAA  
151 TCTTCCTAAA TCACTAGCTT CTAGGCTGCD CTTCTCAATC ATGTGTCTGT  
201 CTGTCTGTCT GTCTGTCTGT CTGTCTGTCG TAGCCCAGAC TGACTGACCT  
251 TTGTTTCCAC CTTCCAAGTA CTGGTATGAT AAGTGTRCWG RATTATCCTG  
301 GCTTAGTCTT TGAAAGTAGA ACHGAGCAAT AGGGAAC

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ug373

1 GAATTCAAGCT CACGGAAAGAT GTTGCTAAAT TGGAAAGAGA AATGGAGCAA  
51 AAACACAGGG AAGAWCTGGA GCAATTGAAG CAATTGACTT TCAAGGACAG  
101 TAAGATAGAT TCTGTTGCTG TTAACATTTC AAACTTGGTA CTTGAGAAC  
151 AKCCACCTCG GATTCAAAA GCACAAAAGA GACGGGAAAA GAWGKCTGCA  
201 TTGGAAAAGG AGCGGGAAAGA AAGGATAGCA GWGKCTGAAA TTGAGAACTT  
251 ATCTGGAGCC AGACACCTG AGAGTGAAAA

ug374

1 GAATTCGTT TATTGGGAAA TGTATGCAATTCACTTCAG TTTTGAGAA  
51 CACCTAGCAA GCATCCAAGA AGACAGCACA CACAGTTCA AAGGAACAAG  
101 GACAGACAAA AGGGCTGGTG GCCATCCCAG GGACATTGCC TTGAAAAGTA  
151 AGTAAACTGG GTGTCATAAA TAAGACTTC TTACTTTATA AGAAGGAAGA  
201 ATCAAGATCC TGTTTGATG TGTATTAAT ATAAAATATA AAATACTCTC  
251 TGACCCAGAC GAGGGTGGRV GAAATCCTCC ATCCAACACC TCAAGTTCA  
301 TGCAATAAAA TCCAGAGGTC TGTTGAATCC GCCTYTCGAT YCATGTACTG  
351 CCTGTACTYC CTCTTTGAG ACACGTTGAT GGCATAGGCA TTACAGAGCC  
401 GTCTACCT

ug375

1 GCGTAGGCGA GCAGCGCCTG CCTGAAGCTG CGGGCATTCC CGATCAGAAA  
51 TGAGCGCCAG TCGTCGTCGG CTCTCGGCAC CGAATGCGTA TGATTCTCCG  
101 CCAGCATGGC TTCGGCCAGT GCGTCGAGCA GCGCCCGCTT GTTCCTGAAG  
151 TGCCAGTAAA GCGCCGGCTG CTGAACCCCC AACCGTTCCG CCAGTTGCG  
201 TGTCGTCAGA CCGTCTACCC GACCTCGTTC AACAGGTCCA GGGCGGC

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ug376

1 GAATTCTTCA TGTGTAAGCA ATACCTACTG GTGATGTCGG ATGCCCTGGA  
51 GCTGGAGTTA TCGGCATTTG TGATGATCCT ATTTGTAGGC ACAGGGAAACA  
101 AACTTCTGCA AGAGAAGAAA AGACTCTTAA CTGCTGAGCC ATCTCTCAGG  
151 CCCCCAACCT CTCCATTTC TGCTAATTAA ACCTTCCCT HMCTCAGCCT  
201 TGATTCATGC CCATAATTAA CCTCGACACA TTTCATTCTC AAAGAAATAC  
251 CATTACTCCT TAGGGATTGT CTCTTGGATC CTTCTGAGAT TGATCGTTAT  
301 GAATGTAAAA GCACGGGGGG GGGGGGGCAG AAATCACAACT GTAAATTCA  
351 CATCCTACCT CTCGTGCCTG GAAT

ug377

1 GAATTCTCC TACAACCTCA TTAAC TGC GT ACTCCTTATT ATCAACATT  
51 CCCTGCGACT TCTTACAATT GGCATACTCC TCAAGAATGG CATCGACATT  
101 CTTTTAGCA GGGAGCTGGA ACAACTGCTT CTGCCTCGTA ACCAAGTCCC  
151 AGTCCTCCAC CAGCCACGGT TTTAATTCTT CAGGGATCTT CACCTTCACC  
201 TCCATCCTAC TCTTGAATGC CTCCGCTCTC CACAGTGGGG TCAGCCC GTG  
251 CCCTTTCTT CCGAGGGGGC TGGGGGACTT CACTGGTACH GCCTCCGTCT  
301 CCGTTGCCAG GAGCCTCCT TGTTC THCHG GTCTTHVGCA CAGAACCGGA  
351 AGGARGGGTTC TCAGCAGAGC GAGCCTCCCC A

ug378

1 GAATCGCTT GCTGGAGAGA GAGCACTCCG CGGGGGTCG GTGAAGTATC  
51 CCAAGATGGCTGGCGTAAA CTTGCTCTAA AAACCATTGA TGGGTATCTT  
101 TTGTGGAGGT CATGCCCAW AAC CAGAAGG CAATGGAAAT VCCCTGAAGT  
151 CCTGGAATGA GACCTCCAC CCAGGTTGGC TAGTCTGTCT

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ug379

1 GAATTCGCAG CTTGAGGCAC AGACGAAC TT CACCAAGAGA GAACTGCAAG  
51 TCTTGTACMG GGGATTCAAA AACGAGTGCC CTAGCGGTGT GGTCAATGAA  
101 GAWACATTCA AGCAGATCTA CGCTCAGTTT TTMMMCTCACG GAGATGCCAG  
151 CACATATGCA CATTAMCTCT TCAATCTTCG ACACACCCAG A

ug380

1 GAATTCCGGC TCGAGCGGSC GCTTTTTTTT TTTTTTTTG GCTGTGTACA  
51 CAGGGTGCTT TATTCTCCAC AGAGTGATAC ATGCTAAGGT GGGCTGGGCT  
101 TGGYCGATGT BCCCATATGT ACAGAACTGA ATAAAGTGGG TCTCTGAGAG  
151 GTCTGAGTCG CCTTGGTGTG AAARGGACAT GGGAAAGGAGG AGGCTGTTAA  
201 GACCAGAGTT GTTAGTCTGT GCTGTCTGAC TGGATGTAGG GAGGTAGGCA  
251 GC

ug381

1 GAATTCCCCG GCTCGAGCGG CCGCTTTTTT TTTTTTTTT TTATCTTCA  
51 AGCTTTATT TAAGTGCACT GACTTAAGAA TGATTTAAAT CTTGTTAAAA  
101 GCAGCCACAT CCATGGACTG TACGTAGTCC TCAAAAGCAG TAATTGCTC  
151 TTCCAGCATA TCCGTTCAA CCTTATCATC TTCAACTACA CACTGTATTT  
201 GAAGCTTTT AATTCCATAT CCCACTGGAA CCAATTAGA GGAGCCCCAC  
251 ACCAGGGCAT CTGCTTGAAT GCTTCGGACA CACTCCTCTA GTTTGTCAT  
301 GTCCGTCTCA TCATCCAAG GCTTCACGTC TAGTAGGATT GGAAGACTTC  
351 GCAACAACTG CAGGCTTTT AGCTTCTT

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ug382

1 GAATTCTGA GAGCAGGTCC TGTAGAGCCT GGCGGACAGC ATTACACTCT  
51 GCCACAATGC CTCCCGACGG TCATCACGTG TGCAGGATGA GTCAGCCATC  
101 AGGGCAGCCC CACTAATAAT GCTTCCAGG CGCTCCTCCA GGGACGGCCT  
151 AAAGCGCTCC TYYTGAAGCT CAAGKKGTCC ACAATGATT GTTTATCAA  
201 GTTGTGAGA GCGTATCCAG CTCTCCGCCA CTGCCACCCT GGTGCTGGGC  
251 AGCATCATCT GATGCAGTMG CCTGGGCTGC ATTAGAAATT TCCTGT

ug383

1 GAATTCTCA GAACTAAAAAA AAATATTCA TTTCATTCTG AATAAAAAAC  
51 AGAACAGACA GAACTCTTGT AAATTCTGAA AACAAATGTCG TCGCTACGGA  
101 AAATTCACA GAAATCATCA GGGGGTGTGG GGACCAAGGT GCCTGCCCTG  
151 CCACGAGCGC CACCTATCTG CAGTCCCAGA GGAGGCTTT AGGGACCAGC  
201 ACAGGTGGTG GCAGAGCCTG AATCAAGCTC AGGACGCAGC TTCTACCTGC  
251 TGCACCAAGA CCCGGTGGCC CAGAGGGCAG CCTAGGGTCT YCAGGA

ug384

1 GAATTCCCAT CAGAAAAAAA AAAAAGCTT GCAGCCAGCT CTACTTGAAA  
51 GCATGGAGAT GTGAATAAAG ATGCCTAGGC TTGCTAGTGT GATTAGCCAT  
101 CTCCTGACCT GGAAATAAGA CCCAAAAGGC AAAACAAGAA TAAAACCTGA  
151 CAGACACCTC CTATTTACAT CCAGCTATGT ACAATTCAAT AAATTAAAGT  
201 TTAACTTCT GAGCAGTCAT ATTCCACCTA TTTACAAGAG ATATCAAATA  
251 ATTACATAAA TCCTTGTCC AATGTCGTGT BTCKKCTTA TTATTATCT

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ug385

1 GAATTCCGCG GCCTGGGCCT AGTGGCTAA CAGTAGCGAC AGCAGCAGCG  
51 GCGGCGGCCGG CGGCAGCSAC TTCCCCTGGC GAGCACAGGC CCGGAAGCCC  
101 GCACAGGCGA GTAGAGAAAA TGGCAGACGA TATTGATATT GAAGCCATGC  
151 TTGAGGCCCC TTACAAGAAC GTGAGAAAAC ACGCTAGTGA GGCTTAATA  
201 TATTTCCTAA TTTAGCATT TTCACGAAAC TWCTGCTGAA ATGTAAACTA  
251 ACCTTC

ug386

1 GCGTAGGCGA GCAGCGCCTG CCTGAAGCTG CGGGCATTCC CGATCAGAAA  
51 TGAGCGCCAG TCGTCGTCGG CTCTCGGCAC CGAATGCGTA TGATTCTCCG  
101 CCAGCATGGC TTCGGCCAGT GCGTCGAGCD GCBCCCGCTT GTTCCTGAAG  
151 TGCCAGTAAA GCBCCGGCTG CTGAACCCCC AACCGTTCBC CAGTTGCTG  
201 TGTCAGACCG TCTCCGACC TCGTTCAACA GGTCCAGG

ug387

1 GAATTCTTG CTACAAGCTG GGACAGCTGC AAGAGGGAGTG GCAGAGCAGG  
51 CTCCCGTTGT CTCTCAAGTC TTTTCCCCCT GACTAATTGG AATTCA TAGG  
101 GGTAATTAT AGAGGGTGTG GGAAGTACAT TTTGTTGCAA CCTGACAGTG  
151 ACTGTGAGTT CCTCATTAAAC CACCATAACAT GGGCTCTGTT CTAAGTCTGC  
201 TGTTGTATCA ACTGTCTAAT TGTCTAATT GTCTAATTG GTCTTAGTG  
251 TTCTTGAAGG ATTAGGTAC CAGTGTACCA TTTAGCAAAT AAGCAAATG  
301 AGGCACSAAA GGTAAAGACT GCTTAGGAAA CCATAGGCAA TGAGTGGT

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ug388

1 GAATTCGCTT TTTCTTGTGT GAACAGTAGT GGTGAGGCCT ATGTTTTAT  
51 GTGGCTTAG AGAAAACCTTC AGTCTCAAW GAACTCTCT AATTAGTTCC  
101 TTCTTAGAAA AAGTTATGCG TTAATTTGTT TCAAAATATT TAGGCATTCT  
151 TTGAATTATA AACTTGTGAT GCAGGGATTG ATGAATGAGA CGTTCACATG  
201 TGAAGATGAC TTCACTAWGC ATCTGTGTAAGCAGAATAAG A

ug389

1 GCGCGGATTCTTATCACTG ATAAGTTGGT GGACATATTA TGTTTATCAG  
51 TGATAAAAGTG TCAAGCATGA CAAAGTTGCA GCCGAATACA GTDATCCGTG  
101 CCGCCCTGGA CCTGTTGAAC SAGGTCGGCG TAGACGGTCT GACGACACGC  
151 AAACTGGCGG AACGGTTGGG GGTTCAGCAG CCGGCGCTT ACTGGCACTT  
201 CAGGAACCAG CGGGCGCTGC TCGACBCACT GGCGAAGGCC ATBCTGGCGG  
251 AGAACATAC CCATTGGTG CCGAGAGCCG ACGACGACTG GCGCCCATT  
301 TGATCGGGAA TTCCCCCAGC TTHAGGCAG

ug390

1 GAATTCCGCG GCCTGGGCCT AGTGGCTAA CAGTAGCGAC AGCAGCAGCG  
51 GCGGCGGCDG CGGCAGCSAC TTCCCGTGGC GAGCACAGGC CCGGAAGCCG  
101 CACAGGGCGAG TAGAGAAAAT GGCAGACGAT ATTGATATTG AAGCCATGGC  
151 TTGAGGGCCC CTTACAAGAA GGTGAGAAAA ACACGCTAGK GAGCTTAAT  
201 ATATTCTTA ATTAGCATT ATTACGAAA CTCTGCTGA AATGTAAACT  
251 AACCTTCCCG G

173/472

ug391

1 GAATTCTTAA CGGGCGGCCGG CGGGAATCCA GCGGCTGGCT GGCTGGCGAC  
51 TAGGCCTCTT GCAGAGAAC CCGCGGGAAT CTGAGCCATC CGAGCCGCCA  
101 CCATGACGGT GGGCAAGAGC AGCAAGATGC TGCAGCACAT TGACTACAGG  
151 ATGAGGTGCA TCCTGCVGGA CDGCCGTATC TTCATCGGGA CCTTCAAAGC  
201 CTTTGACAAG CACATGAACT TGATCCTGTG TGACTGTGAT GAGTCAGGA  
251 AGATCAAGCC AAAGAACTCC AAACAAGCAG AAAGGGAAGA GAAGCGAGTC  
301 CTTGGTCTGG TGTYCCT

ug392

1 GAATTGGGG GATATAGCTC AGTGGTTAAG AGCACTGACT GTTCTCTAGA  
51 GGTCTGAGT TCAAATTCCA GCAACTATAA CAGTGGTTCA CAGCCATCTG  
101 TAATAGGATC CAATGCCCGC TTTTGGTGTG TCTGAAGACA GTGACAGTGG  
151 ACTCATATAC ATAAAATAAT TCTTAAAAGA ATGTTAAAAA AAAAGAACAT  
201 TTATTTAAA TAAATAAATC AAATTAAGA ATTATTTAT CATTATTAAC  
251 TGTGTATATG TGCACGTGAA TGGAGATGCC TATAAAGGCT CATTGGAACC  
301 CGTGGAGCGG GAGTCTTAGA CAACTGTGAG CTGCCATGTA GGCACTGGGA  
351 AGTGAACT

ug393

1 GAATTCTTT GAAACAAAAC GACTTATTAA CGGTTACTTT CCTTATAAGA  
51 AGGAACAGCA GTCTCTAATA ATCACCATAA AGTGAAGTGC TGTGTCCCTA  
101 ATTTTCTCCA GTTCTTCTA CCCTAAGACA TGTTTTTGG AGACCACAAAT  
151 GACTTTGTA TTTAATAATG TAAGTTCTA TTCAGATAAA ATGATCCAGT  
201 TTCAAGACAG GTGAGAAGCC CTATTTAAGT CCAATGGCTC ACAATATGGA  
251 CTGAGAACAG GAGACATTT YCCTYCAAAG

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ug394

1 GAATTCCGCT TGTCCCCACA CACGACACAC TGCTCGTCTT TGTCCAGGTA  
51 ACTAGGGATA TACCCCTGACA TGCTGCTTT CAGGGGACAT TGGCCGTTCT  
101 TTCTTTTCG CTTCCATCT GGTGACCTGG CACTGTTCTC CTCTGGGTCT  
151 GACCCACACT CCACCTTGCT TGGCTTCTGT TCCATTCACT TCAATTCCAT  
201 CCAGGATGCT CTCCAGCRG CCAAGAGACT GGGGTGGGCA CACTGGCCCC  
251 CC

ug395

1 GAATTCCCTGA GCSGCACCTTC ATCGATGATG TACAGATGCC CCTGGGTCTG  
51 GTGGTGGCTT CCTGCAGCCA GACAGTCACC TGTATCCCCA ACTGCACTTG  
101 GCGAAACTAT AAGGCGGAAG TGCGCTTCGA GCCACGCCCG AAGCCCGCCG  
151 TTTCCCTCAGC ACCACCATCG TCTACCCCAA GTACCCAAA ACCGTCTACA  
201 CCACCACTCT GGATTACAAC TGCCACAAGA AGCTGAGGAG GTTTCTGTCC  
251 AGTGTGGAGC CAGGCCACGG AGTTCTGGG CGCGATGGGC TAGCCGATGA  
301 ATGTTGACTC AGCTAGCTTGT AGGTTGGACC AGCTGTTCAT ACACGCCCT  
351 GGTCCCCAGA CCACCCCTGGA CAAGCTGGGT AGCATTGCTC TT

ug386

1 GCGTAGGCGA GCAGCGCCTG CCTGAAGCTG CGGGCATTCC CGATCAGAAA  
51 TGAGCGCCAG TCGTCGTCGG CTCTCGGCAC CGAATGCGTA TGATTCTCCG  
101 CCAGCATGGC TTCGGCCAGT GCGTCGAGCD GCBCCGCTT GTTCTGAAG  
151 TGCCAGTAAA GCBCCGGCTG CTGAACCCCC AACCGTTCBC CAGTTGCTG  
201 TGTCAGACCG TCTCCGACC TCGTTCAACA GGTCCAGG

175/472

ug397

1 GAATTCTTC AAAGTATATA AATAGAAAAA CCCTAAATTG AACTGAACAG  
51 GTTATTAAAT GAGCAGCAGT AATATATATA TATATATATA TACACATACA  
101 CACACACACA CACACACATA CACACAAACA CACCAAAATA CGACAGAAGA  
151 AATAACAAAA ACAAAAACCA TTATAAAAGC AGTAATATTA GGGAAAAAGT  
201 CCAATAAGTA AATGTATAAG CAATAAGCAC CCAAGAAATT AAAAACACTG  
251 AAAAACCTC TCAGAAAAGT TCTGTCGCGT TTGTGAAACCT TTTTTTTTT  
301 TTTAATCAAA TCGACAAACAA ACATTAA

ug398

1 GAATTCAATT TATCTAGGTG GACTCTGAAA AATGCTGTAG ATTTCTTTT  
51 TTTTATTAA TAACAACAAC AATAATATAA AAAGTCAAAC AACTGCAA  
101 CACACGTTT CTCACTCAGA AAACTTTTA TAATTACCA GAAAGATTGG  
151 TGACTCTTC CAAAGTGCTA AAAAGTTGC CCAATTACAT TAAGCATTAC  
201 TAAGTCATTC AAATACAGGT TCAGTGGCAA GCAATGAAAT GCACGGCATT  
251 TGAGCAGTAA GCGTCTCCGC CCACCTCCCC TCTGCACGGT CCCACCAGAA  
301 GACCTCTTAT TGCACAAGTG ACATGCTGTA AAACCTAGGG TCCTCGTKGT  
351 CAGGGACACC CATTCAAGGT CTTAACCTGC

ug399

1 GAATTGGAA AAGTGTCTTA CCCTAGATGT TTAGCCATGG TCAAATTAGA  
51 CCCCTGACTT TCTGGAAACA AAATATGTAG TTACCTTTA CTCTGACCAT  
101 CATCTCCAC CTGCCCTAAGG TACTTAGTCC TTAGTTAGAC GGCCTCTATG

176/472

ug400

1 GAATTCAAAG GGAGAAAAAC AAAAGTTCAT GACTGTGATG CCCAACATAA  
51 CAGTTCTAGG GCAGGTATGC CAGGGAGCCC CTCCCATGCG CTGTCTCCA  
101 GCTCCCACCG CTGGGCAAGG ATCATTAA GGATGGCAG TTCTGGGCC  
151 ACAGCACCTA GTTTGCGGT TAAAGGGAGT GGGGGGAGGG GTAACAGGA  
201 AGACTGAGGA GGGCTGGGG CATGGTGACA AAAAGAGCTA GGCTGCCCTA  
251 CCCCCAACTC GATTGTCTAA CAGATAAAAT GCCTGGCCAT AAATATGAAC  
301 ACTGATTGACT GTTGAGGCA GATTGGATCT AAAACTTGCA GGGSAGAAC  
351 AAATKGCTGT GACACCCCTG AATTGGTAT CATACTATCT GGGGTCCATG  
401 TCCTAACTTA GGAGTGGATT CTGTCTAAAA AT

ug401

1 GAATTCTCGA TCTGGAACCA CCAGCCATGC TTCCCTTAAGG ACTGGGAAAT  
51 GCACGTCCAC TTCAAAGTCC ATGGCACAGG GAAGAAGAAC CTCCACGGAG  
101 ATGGCATTGC CTTGTGGTAC ACCCGAGACC GCCTCGTACC AGGGCCTGTG  
151 TTTGGAAGCA AAGACAACCTT CCATGGTTTG GCCATCTTCC TGGGACACGT  
201 ATCCCMATGA TGAAACCACT GRGCGTGTGT CCCCCTACAT CTCGGTGATG  
251 GTGAACAAWG GCTCTCCTGT CGTACGATCA TAGCAAAGAT GGACGATGGA  
301 GTGAGTTGGC AGGCTGCACG CTG

177/472

ug402

1 GAATTCTTG CAACCAACAT GAAATAAAAA AAAAATTTT CTGTAAGCTT  
51 AAAGTTAAC GTGGTAAGCA CAGCATGGCT GAAGAACACC AACTCTCCCT  
101 CCATGGGTGT CATTGCCTGT TGACCTGTGT GTGTCTCCCC TCACATGATG  
151 GCAGGTCATG CGAGAGGCC CGAGAGGCC CTGGTTCCCA TGAATAAGGG GGGGGGGGTA  
201 GGTGAATAGG GGACTTGACA ATGCAGGGCT CTTCCCTTTC CATCGTCTT  
251 GTCTGTAACT TTTAAGACAA AATTTGAAAT TTGAAGGTAG TCTCAAATCC  
301 TGGAAGGTTT AAAATTGAT ATAAGATAAA AAATGGAAAC TTTTATTAAA  
351 ATAAGTACTT TAAACTAACCA CTGAATAGTC TAGACCGTTA ACAGAAGGAA  
401 AATCTTGTGC AA

ug403

1 GAATTCCCCG GCTCGAGCGG CCGCTTTTT TTTTTCTAC TTGCTAAGCC  
51 ATATCGAACAT ATATGTTTTT CCCCCCAAGC AATCAGTTG CTTCTCAGA  
101 TTTTATTGAA AATAAAGGT CCAGGTCATT TCTAGGACTT GGAGGATTTC  
151 CTGTAAATCT ACTAAATTAG CACATCAATT AAATTGCCCT AACTCGCAGT  
201 GTGGAAGACA ACAGTGTCCA TTGCTACGGG ATCCTGGGGG TTCTTGCAAT  
251 ATAAGTGTTC CTCAATGCGT GGCTGTTCC CAAATGTCCA CCTCCAAAAAA  
301 AGTCATCTGT AATCTTGTAA ATTAGAACCA CTTCCAGTAT CTTCTGACT  
351 TTTACAGTTA AGGTTACAGA ATTGATTTAW TTTATAGTCC ATGGCTCTCA  
401 GAGCTTAACA CTAGCAAGAC CCCATGGCTA GAATGCCCTT AGGG

178/472

ug404

1 GAATTCCATA AAGCAAACAT TGAATAAAGA TGAAATAGCA CTGGTAAACT  
51 TAAAAAAATAA AAAACCAAAA ACGTTCTGTG CTCTTTATG TGTAAGATGC  
101 TAAAATCAAG TATCTTCCA GATGGCTCAC CACCTGTAT TTATGCAGGG  
151 TCTTACACTG AACCTAGAGT TTACAATTG GCCAGCTTGC TTTGTGGGAT  
201 ACTATCTCTA CATTCCCAGT GCAAGGATTA CACTTGSCT ACATATCCAC  
251 CCATTTTAA GGGTCTGAAT CTGGTTTCA TTGTCTGCTA GTGCTTTATC  
301 TATTGGACTA GCTCCCCAGC CACACAGTAA GGCAACTTT AAAAGGCTAT  
351 CACACCTGTG ATCTAATTCT GATTCACAG GCTAAGAACG TATTAAATCC  
401 AAGGAACCAT GAACTAGTTW AACAAAAATG GCT

ug406

1 GAATTCAAAA TTCATTTCTA TATCCTCTTC GATGTACACC ATCTCCACAG  
51 ACTTAATTCT TTGAAGGCCAG AGACCTGGTA GACTGTGACC CAGTAAAAAT  
101 GGCTTTGCC TTTATGTACA TCAGATCCGG GCAGGGCAGT GACATCAACT  
151 AACACGGTGG TTTCTTACAA GAGCAACAGG GTGTGTGT GTAGGGTGGG  
201 GACTCCTCTT CCAAAGATCC AGCCTTCAGA CTGACAGCTC TGCCCTTTCA  
251 TCTCACCTCC TGAGCAATCA CACAGGTTA CCAATGTTA ACCACATACT  
301 TAACAAGAAA GGGCAATCCT TCTGTAAACG TTCTTGCTC AAGGTAACAA  
351 ACATGCCCTT GGATTGGTTT CAGGAGATCA GCTAGGGACG ACCTGTGATC  
401 CCCGTCTCCA TTCCTCCCAG

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ug407

1 GAATTCTTG GGGGGAAATC CCCAAATTG GGCCCCATT TAGAACTCTG  
51 GGGAGTTCAA ATTCCAGAGA GAATATATAT TATATATGTC CCCCCAAATT  
101 CCCATCCCTC CAAGCCCCAC GATCTCTAGA AGCCCCAAAT TTCTAATTCC  
151 CAGGACTTCC CTACCCAAGT AACAGAACATCT TCAAATCCCC AGGGAATCCA  
201 AACTTAAGAC CCCAATCCC AGCTCAGGAA ACCCAACTAC MAGGTCTAA  
251 GGCTGGGAGG AAGGACCCTG TTGCCAGGCT CTCAGGGCAT CTCAAACACT  
301 GACTACCAGG CACCAGG

ug408

1 GAATTCCGAG CGGCCGTTT TTTTTTTTT TGTTTGTTT TTGTTTGT  
51 GGTTGGTTGG GGTTTTGT TTGTTTTTC GAGACAGGGT TTCTCTGTAT  
101 AGCCCTGGCT GTCCCTGGAAC TCAGAAATCC TCCTGCCTCT GCCTCCCAAG  
151 TACTGGGATT AAAGGTATGT GCTGCCACCG CTCAGCATT WCGTATATT  
201 TTATTCTTCA AAACTAACATCT CTACAGTCAA TTTAGCAAGC TCAAAGATAG  
251 CAATGATCCA AAGAAGTACA GACTAGAAGC AGATCAATT

ug411

1 GAATTCAATT AATTAGAGGT AAAATTACAC ATGCAAACCT CCATAGACCG  
51 GTGTAAAACC TTAAACATT ACTTAAAATT TAAGGAGAGG GTATCAAGCA  
101 CATTAAAATA GCTTAAGACA CCTTGCCTAG CCACACCCCC ACGGGACTCA  
151 GCAGTGATAA ATATTAAGCA ATAAACGAAA GTTGACTAA GTTATACCTC  
201 TTAGGGTTGG TAAATTCGT GCCAGCCACC GCGGTACATAC GATTAACCCA  
251 AACTAATTAT CTTCGCGTA AAACGTGTCA ACTATAAATA AATAAATAGA  
301 ATTAAAAATCC AACTTATATG TGAAAATTCA TTGTTAGGAC CTAAWCAAT  
351 AACGAAAGTA ATTCTAGTCA TTTATAATAC CGACACTAAG ACCCAA

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ug412

1 GAATTGGAA AGATGGTCCT TCTCAGGGCA TCCTGGAAA CCTGGCTGAG  
51 AAAGAAGGTC TGGTCTTAA AGCTGTAGC TGCTTGGAGA AGTTTACGG  
101 GGTTTCTGAC TTCAAATCGA TTTCTGAACA GCCCGTCAGG CTTCTTAGTG  
151 TGCTTTGCT CAAAGACTTC CTCATCCTCC AGTGAGGTCC TGGCGTAGTG  
201 GCCAGTGGCA ACGGCATCTG CTCCAAGATT GTCCACAGCA TAGTGATAAA  
251 AGCAACTGAA CTTGATATGC TTATTGCAGT TGATGTCGGG GTTTGAGTCC  
301 TTCTTTCTCA TACCGKTCAA AAAGTCACTG AACACATCAT TCCAATACTC  
351 CTTCACATAG GACACCTGGT GGA

ug413

1 GAATTCCAGC ACCTGCGTAS CGCACGTGGT ACGTCCAGGC CACCTGTGCC  
51 ACCCAAGGCA CAGGCCTGTA TGATGGGCTG GACTGGCTGT CCCACGAGCT  
101 GTCAAAGCGC TAGCCAGCCA GGGGCAGGCC CCTGCTGCC GGAAGCTCCC  
151 GCGTGCATCC CGGGATGACC AGACTCCGG ACTCCTCAGG CAGTGCCCTT  
201 CCTCCCCACT CTTCTCTCCCC ACAGACAGGC CTCTGCTCCT GCGCCTGCCT  
251 GCATGCTCTC TCTTGTGTT GGAGCCTGGA GCCTTGCTCT CTGGGCACAG  
301 AGGGCTCTGC TCTCCTGCCT GCTGGGACCT GTGGATGGGCTTCCTGGCCA  
351 AGGCCCTCT TTCCAGGGGA GGAGCAGGGGA TCTGGATTAA ATTTGGTTTT  
401 GGTTTTGGTT TTTTGATTTT

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ug414

1 GAATTCTCA GTTCTTCAA ATATACATGC TTTCAAGCAC CTCCCAGGTG  
51 TAGTGGCCCG GAGTGAGTTT ACTTCAGATT ATTCAATTACA ACTAGCTGTT  
101 ATTTGTTTAT AATGCCCTTG TGATTGTACA CTTGCATAT GTTACTCCTC  
151 TTATTACTCA GAGTATAAAC TGTCTGATGT TCTGAATAAA GTTAGCTATT  
201 GCATGAGACT TCAGTCTGTC TCATTAAATG GCTCCATTCT CCCAGGTCCC  
251 ATCACAGTAA ACAATACATA ATGGATTTTT TTGTTTGTGTT GTTTGTTTTT  
301 TTGTTTTTC GAGACAGGGT TTCTCTGTAG CCCGGCTGTC CTGGAACTCA  
351 CTCTGTAGAC CAGGCTGTT CCCAACTCAG AAATCCGCCT GCCTCTGCCT  
401 CCCAA

ug415

1 GAATTCGCTG TGGCACCCAT TCATGTAAC TCCCATTTTC ATGAAACAA  
51 AGTTGCTGGT GACTGTGGCT CCTGACCTGT ACGTCTTATT TGGATTTTC  
101 TCTGATAGCC CATCTAAGAA CTTGAATTCA CACCCTTGT GCAGGGCTGT  
151 GGTTGACTCC TGGTGAGGGG TGGAGTGATT TCTGTGACTT GAGAACGAAT  
201 GGACACAAGT GCTAAGCAGT CTGCTGGCT CTGCTGTCGT TTAGTGTCT  
251 GTTTCCCTG ACATGGTGTC CAATCCTGAA TTTATTCACT GGCTTGTT  
301 CCATTGAAGT CTGAGTCCCG AGCGTCCATT TCTTCTTCAG AACCATCTGT  
351 GTTTCAATA ACTCTACGGC CCCCAGCCCT TCTGGAAGGA ACAAATGAAG  
401 CCTCGTTCC HCTCCTGGTG GCTCACTGCG AAGTTCTG TGGGGG

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ug416

1 GAATTCTGTTT CTCCCTGGGCC TCGATCTGCC GGATGACATC TTCCATCCAG  
51 AGCATGAGGT CACGCACCAC GCTGAAGAAG CGGAACCTGT CTCCCTGTGTC  
101 TACCAGCCGC ACCCTGCGAC CCTCACAAAGC ATCCAGCAGG GACTTCCAGG  
151 CTTCCAGGAC CTCATTCTCA CGCTTCTGGA TGTCATCAGC CTTGTCCCCT  
201 GCATAGGCTG CCTGGAGGCG AGCTGCATCC TCCTGCAGCT GCCTCACCTG  
251 AGTGCCCAGA GCTTGGATGT CGTGCTAAA GGTGGTGTGC ATTCTCTGTA  
301 AAGTTTCCAC AGTGTGTTGA TCTCTTCAA GCTCCTCAGG GAGTTTCTTG  
351 TGTTTGTCTT GGATTGGGCC AAAGATCTCC TTGGCATCAT GGTAACACTT  
401 ATGAAGTTCA TATGAGCASC AAGAATCTGT GTTCTGTGT CAATGAGCTC  
451 CAGGAGGTCA CCCA

ug417

1 GAATTCTGTT GTGTGTGTGT GTGTGTCTGG AGTTTACCTG CTACATCAGA  
51 ACGACCCCCG ATCCCAGCCA TTGCTTGTGG CCTCTCTTA TAGTCAGATA  
101 TTGCCTTGT GTGAACCTG GAACTATTGA AACACTTGTCTCTGTTCTG  
151 TTCTGTTCAAG TTGTAATCAC TGTTACATGT GGAGCCACAC AGTCACCTCC  
201 ACGGGCTGTA GGAGCWGCTT TGTGGTCTGT GTCCATACAT GGGACCCCTTA  
251 CTTGGAGTAG GCTCTAGGTG CATTGGCTA AGAACAAAGCG AGTAACACTA  
301 GAAACAAAGC TCTGCTGGGG TGAGCTGGAG AWCATGGATG CTCTGCCAGG  
351 GTGAGCAGGA GAWCATGGA

ug418

1 GAATTGGAA CCTTAGGCAT TGCAGTACAG ACCCCAAAGGC TAACCCACAA  
51 CTTAAAGTGG AAAATCTTAT RGTTTTCCC CCTTGGTCAG ACACAGATAT  
101 ATTTGAAGAA TTTCCAAATT TAGAGTTCTC AATTTGGGT ACATCAAGAC  
151 TTTTAAAGTA GAATTACGT AGTAACAGAA GAGAAAAATC TGGGACCTTG  
201 AAAACAGTAC ATTCACCTC CTTGGGSTA AAAGTCACCT TCAGTTAAG  
251 GGSGGCATTG ACAGAAAACC TCAGCTGGAG CATCTCGTGG CGCAG

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ug420

1 GAATTCTTT CTTCCCTCCT TCCTTCCTCC TGGCCTCCT CTTCTTCCTC  
51 CTTTCCCT TCCTCCTCCT CTTCCTTAGC CTCAGGAGAC TTCACGGGAG  
101 ACTTTCGGC TTCTGGTCC TCCTCCTTT CTCGGCCTCT TCCTTCTCCT  
151 CTTGGCGGA GGCTGCCAAC TCCTCTGCGA TGGCTGTGAG GGTTTCTTCC  
201 ATTTCTGACT TCTCATCTTC CMCTTAGTT TCTTCGATGA TCTCCTCCAC  
251 AAATTGTGT TGGACCTTGA GCTTGGGGGC CTCGACTTTG GTCTTCTGAA  
301 TCTTACTGGA TATTGTGACT GAGGGCTGTC GGTGTGTGTA CAGARGCCCG  
351 GTGATGCTTC CTGAAAATGT GCTAAATCTG GTCTCTTCCC C

ug421

1 GAATTCACTG AATGGTGGAA ATGCTCTCCA GTGGGGTGTG GAGAGAGCAG  
51 GAAGCCAGTG GGCAGGCTGG AGCAGGTGGC TCATGGAAGG GTGGGGTTAGG  
101 GACCTTCAGC CTGACTTCTC CTGGCGGGGT GGACGTAGGG TGGGCAGAAC  
151 CAGGAAGCCC ATGACTTCGT CCATGCTGCC TCCCTTCTCC CCTCCTTACC  
201 CAGGGTCCTG CATCCTTCAG SCCCCTATGT GGCTGCCCTG CACCTTGCC  
251 TGTCCCACCC GGATGCCATG CACCTGTCCC CGTCACTKGT TCCCTGCTTG  
301 GACTGCAG

ug422

1 GAATTCTCAG CATCATCTCG TAGTAGTTGG TGAGGTTCTG CTCCACAAAG  
51 TGAAAGGTAC GGATACTGAG GGTCTCAGAA ACAAGGCCGG GGAGGAAGGT  
101 GGCAGCTCGG TTGAAGGCCA TGAAGAAAGC CATTGCCCA CATGTAGTAA  
151 GTCTCGTCAT GCTGCTGCCT CTCTCCCGAA GCAGATGATC CTTGACCGCC  
201 CCATGA

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ug423

1 GAATTGATG CTTCTATAAC CCAAGGAATG CCACGGATTG CCAGCAAGTT  
51 CAGAAGTTAA GGGAGATGCT TTTTAGGAT CCTTCCAGG GCCCTGGAA  
101 GAAATCAACT CTGCTGACCC CTTGACATAA GACTTCAGAG CAGTGAATAG  
151 TCTCTGCTCT TTTAGACATC TGGTCTGGGG TCCTATATTA GGGTAGCTCC  
201 AGCAAACCTTG TAACCTCCCT GAGCAAGTGG TTGGCACAGA CCTGTTATTT  
251 ACTTAATGCA TAGTTCCCTT TGTCCTATA TTACATTTAC TACAGTCTCA  
301 CATACTACACTTACCCATT ATTCAATGAGG GTAAACTTGA TGATCACTGT  
351 TTATTCAAGCA CCTAGACAGA GTTGGGGATC TGC

ug424

1 GAATTGTCG GCTTAGCAGG TCAGAAAGAC GTAAGCACAG ACCATGGCCT  
51 ATGGAAGAACG CTGGACTATT AGGAACCTGT TGAGAAACC CAGGAGAACAA  
101 TAGAAGACAA ATAAGGGAAA GTTGGGGGGG ATGAAAGAAT AGGGGGGGTG  
151 GCAAAGATAG CTCCATGTT CTTGCTCTGA GAACCTGAGG ATAGAAGTTG  
201 CCATTCAATTG TCGTTGAAAG ATGGAAAGGA TWAAATAAGG GAAATGTCCA  
251 GATCTGTTG GGAGCCTGTT GAACATGAGG AAACCAAGGT GGGGTGTTCA  
301 GCCCTGGATG ATCGTAGGAG TCTC

ug425

1 GAATTCCCTCG CGTCGCGGCT GCGGAGACTA GAAGGAGGACTCCGGATCCG  
51 GCTCGGCGCT CGCCCTCGCT CGCCATGGAG AAGACCGAGCTGATCCAGAA  
101 GGCCAAGCTG GCCGAGCAGG CCGAGCGCTA CGACGACATGCCACCTGCA  
151 TGAAAGCCGT GACGGAGCAA GGCGCCGAGC TGTCCAACGA GGAGCCAACC  
201 TGCTGTCGGT GGSCTACAAA ACGTKTAGG GGGGCCGAG TCCBCCTKGA  
251 GGGTCATCTC GAGCATTGAG CAGAAGACCG ACACCTCTTG ATWAGA

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ug426

1 GAATTCAAGAG AATACAATCC AATTCACTGC TACAATTCA AGAATTGTC  
51 AGTGTTCCT TGAGACGCTG AGGTTCACTG TTGGCAGTT CCAGTGGCCG  
101 CATGTGCTGC TCAGAAAGGC CAGCGGCAGA CAGCTGCCG GAAGAACTTT  
151 CACTGCTGGA AAACTGBTCG CTCCAAGGA AAGCCAAGG AAGGCTGGGG  
201 CCGTGGSTCA

ug427

1 GAATTCATCA ATTTGCTAA TGATGTCAA TAAAGATTGG TTGTCAATGG  
51 GCAGCACACA GTCTGCATGC TCATTCAAGTT CCTTCATGGC CAGCATACTG  
101 TTATAAGGCG AGGTGATGGC ATCGTCTTCA CTGGAAGGAT AAACCGCTGT  
151 CACAAACCGG TACACTTCTG GGAATTCAATC TTCAAGAACCTTTAACAGAA  
201 ATGTGCCAAG CCCAGAGCCT GTTCCTCCGC CCATGGGAGT GGATGATGAA  
251 GAAGCACTGT AAGCAATCGC ACTGCTCTGC CGACTTCCGC AGTTTCTCTA  
301 AAA

ug428

1 GAATTCCCTT CTTCTTTCT TCTTCTTTT TTCCCTTGGA AGATTTACT  
51 GCTTTATGG TACCCCCCTC ACTCTGTGGT GTCGAGCTGT CCATCAGCAT  
101 CACGTGGGTG AGTCTGGGAT CTACTGACTT GACCTCACCA GTCTCAGTTA  
151 TAGACACTTC CATAAGACGG GTGACTGAGT CCTGACGGCT CACAACACCA  
201 CAGAGCCATA CTTCCCTCTCC TTCGGGTTGG TAGACCTTGA CTCTGTGGCC  
251 CTGGACACTA TAGGGACCTC GGCTGAAAAT CTCTTAGC TTTTGGTCAC  
301 TGATCAAAGC ATTAACGTGTC TCTCTTAATG CAGCATGTTCAAAAGAAC  
351 TGATTTGAA CATCTGTTCC CATCTGGAAC AGATGCVTCC CATTAGCATC  
401 CGACAGGAAA CGAAGCTCTC GATCACAAAGG TATTCAACTG GCACCACAGA  
451 CCCCAACSCC AGCTTATCTA CTAGGGGGGG TGAAAGTCAG GGHGGCCACT  
501 GGGHAACTGG G

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ug429

1 GAATTCCCC AATGTACTCT CTATCTATT A TATGTGTGCA TGATTAAAA  
51 ATGGAGGGGG AGGGAGGCAC AATAACAAGGG CTAAGAAATG GCTCAGTGGC  
101 AAACACATT C TGCA TGCAAG CATGAAGACC TGAATTGAA TTTTCAGAAC  
151 CTATGTAAAA GCTGGAGGAA TCGTGTGAGT ATATGTAATC CCAGCACCCC  
201 TATGGGGTAA ATGGGAAATG GGACAGGAAG ATTCTGGGAG CTAGAGAGTC  
251 ATCTAGCTGR GCATACCA C

ug430

1 GAATTCCCTG GAGAAGCCTG GAGCTCCACA TGCAGAGAAA TGATCTGTCC  
51 TTGTGTCTG TTCTGATTAA AAACAAAAAC AATCAAATAA AAAACAAAAT  
101 KGAACAACAA CCTTAGTGTA TGGCATGAGA ATGTGAAAAC ACTAGAGATG  
151 ATCAGGGGG A TCTCAAATG GAGGCAGACA GCCAGTTCT GAAGAGAATT  
201 GCAGTAGCTC GGAAAGCCAG TCACCG

ug431

1 GAATTCCGCA AATTCCCTAA GGAAGTGGAA GCAATCATTG TTTACTTTGC  
51 TGCTGGTCTG TGTTTTACCA ATTGCAGTTA GTAAACAAC T AGTCTAGGCA  
101 TTTATGTGCT ACATGAATAT AACCAAACGT GAGAAAATAG A AACTGCAAT  
151 TTTTGAGAAC TATTTTTTT TAAATTCCAT AGGCAGGCTT TTAAAATAAA  
201 AACAAAGTGGG TCACTTGAC

ug432

1 GAATT CGACA TAGGGAACAG GCCATCCAGA CAAGGAGTGA GGGTGGAAAT  
51 TTTTGTATTT AGAGTCACAT GTAAATTTA AAGCTAAAAA AAATAAAACTA  
101 GTA ACTCCAT GAAAAAAATG AGTGCTTGG GGGTGGGGTA GGGGATAAAGA  
151 AAGAAAATCA GTGAGGGGCG AATGCCAAT TATCACTTAG CATCTCTAA  
201 ATAATTCCA CTGGAGGCAG GGTATCTTT CCAAAGAGAT GAGCCCCATT  
251 GGATGGATTT GTTACAGTT TAAGTGATTA AAATCGGGAC TTTACAGTAC  
301 ATTGTGGGK CTTTACTAG TTTTAGAGT GGTGTTKGC AAAT

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ug433

1 GAATTCCAAA TTCCCTTGA GCCAGGTATG AGTCATTT YCTACAAGCA  
51 TCCA AWWGTC TTCTTC

ug434

1 GGRATTCGTG AGGCCGAACG CTAAACTAAG GTACAAACGG CTTAGGCCTA

ug435

1 GAATTCCAGA GGGGAAGCCC GAAAACCTGC TGTGCTTCCT GGAGTTGGCA  
51 TGGCGGCTCG CCCASGGGGC TCCTCGCACA GACTGACTGG GGAGGGTGAG  
101 T

ug436

1 GAATTCCCTGG GGCTCTGAGG ATCCCTTTTC TTCCCTTTCC ACTTTGACCT  
51 CTGTTAAGGA TYCACCTGCA TCCCSGAAAH TGCCACATTG TGCCACTCAA  
101 AATTTCGATC ATTTCGGGAG GSAAWTTTTT CATCTATGTC TTCAGTGAGA  
151 GAGTCATCTA GATCAGACGT GGGSAGAGGA ACCCAGAACCC AACGAGCKTY  
201 ATGTTGGCCT CAT

ug437

1 GAATTCGAAA GAGGGAAGAA TGAAGCCTGA GCTGAACCCT AAATAATATG  
51 TCAGAAAATG ACAACTTGCC TCCCTCTAGA CTATTCATT TGAAAGATT  
101 GCTAGGTTAC ATTAGGGCTT GGGATAGATT TTTCTGGGAA TGGGGSCCTA  
151 ACCCMCMGACTAAAAAATG SCCCCGSTTC MCAGTTCT

ug439

1 GAATTCTTTT TTTTTTTTTT AAAAAAAATAG TATGTATAGT GTGTGTACAT  
51 GTGTATAAGCTCAAGTAAGA AAGCCAGAGG AGACTGGSCT TGTCTGTTCT  
101 GCTCTCCACC ATTAAGCCCT TGAGACAGGG TCTCTCACTA TACCTGATGC  
151 GATAGCCAGC AACTCCAGT AACCTACAC CCAG

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ug441

1 GAATTGAGT AGATTCCAG TGCTCACCAT GAGGGAAACA ATGTTACTAT  
51 ACCTTCCTA TGAGGAAAGC CGGGTAAACG TAGAGGTCT CTGTCATGTC  
101 TTTAACATA GTTGAGTAG ACAGCAATGC TCTTACCTA GCTTAGTGT  
151 CTGATGGCAA AATATTGTAT ATTGTGATAA TTATGTCCTA TTTATTTGAG  
201 ATTCTTGTT AAAATTAAA AAACAAAAAA ACAAATDAAA ATTTTTTGC  
251 TATGCCCTAG ATGTAGGGCT TTTTTTCCA ACCAAAGGTC TACAAAAGTT  
301 TCTATAGAAA CTGTGATTG

ug442

1 GAATTCCACG AGGGGCTCG GAAAGGAATG TTTCTGGAA GTCCTTCCAC  
51 ATAGAGATCA TTGGGATGGG CCTCAAATT TTGGTACGGT ACAGCCTTGG  
101 CTTCCGTGCT TCCCAAGGCC TCGGCAAATT TCTTGAGAA GAGCTGGTCA  
151 ACCATCTTCC TCAGTTGGT GATVCGAGCG TACCACTCTT CTTCACTCC  
201 TGAGGCTGGT TTATCAAGCT GTAAATCTTC TCGTGTGAG TTCAGAAGCT  
251 CATGTTTCTT AATCACGAAG CGGATCCTT CCTCDCCAG CAATATCCTC  
301 TCAAGGCGAG GAATTCCGTA CGTCGACGCC TTCTAAAAGG AATCCCTTYA  
351 GGAAGYYCTT CTACGTAAAG ATCTCAACA TGGGACTGGA AAAGAGGGTA  
401 C

ug443

1 GAATTCTGG GATTAAAGGC GTRCACCAACC ACGCCCGGCT CAGGCCAGAA  
51 CCTTTACACA TGCTTAACTA AAACTAGTGA AAAATGCATC TTAAAAACAA  
101 GAAATTCCA AAATACAAC TCAAATTAC TCCACCCAT AAATGCAGCA  
151 AAAATCATC TGATCTATT TACCAAGTTAC TAAGCAAGGT ATAGTGGCAG  
201 AGACCTGTAA TTCAGGGGGG CAGAGGATGT CACAAATTCA AAGCCAGTCT  
251 GGTCTACATA GCAAGTCTGC CCCAACTCAA TGCATTACAA AATGACCCCC  
301 CTCCCCGACC TCTCAAAACA AAACAAAACA CACAAMACAC AAAGCCCAMA  
351 CAACTCATTA GTAAAACAAT TTGATAATT ATATT

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ug444

1 GAATTCCACT CTAATTTTT CAAAGTAAAC GCTTCGGGCC CCGCGGGACA  
51 CTCAGCTAAG AGCATCGAGG GGGCGCCGAG AGGCAAGGGG CGGGGACGGC  
101 GGTGACTCGC CTCGCGGCGG ACCGCCGCC CGCTCCAAG ATCCAAC TAC  
151 GAGCTTTTA ACTGCAGCAA CTTAATATA CGCTATTGGA GCTGGAATT A  
201 CCGCGGCTGC TGGCAC CAGA CTTGCCCTCC AATGGATCCT CGTTAAAGGA  
251 TTTAAAGTGG ACTCATTCCA ATTACAGGGC CTCGAAAGAG TCCTGTATWG  
301 TAAHHHAAGT CACTACCTCC CCGGGTCGGG AGTGGTAAT TTGAGMGCCT  
351 GCGCCTTCCT TGGATGTGGW AGHCGTTCT CAGGCTCCCT C

ug445

1 GAATTCCACA TCTCAAGAAA CTCAAAGAAC CATACTGTCA AAGACAGGGAA  
51 GTTCCAATGA ATTCACTCAG GTTCTCTTT GAAGGTCAGA GAATTGCTGA  
101 TAATCATACT CCGAAAGAAC TGGGAATGGA GGAAGAACAGAT GTGATTGAAG  
151 TTTATCAGGA ACAAACGGGG GGTCACTCGA CGGTTAGAT AATTCTTTT  
201 ATTTTTTATT TTTCTTCCC CTCAATCCTT TTTTATTTT AAAAATAGTT  
251 CTTTTGTAAT GTGGTGTTCA AAATGAAAAT TGAATACTGG CACTCCATCT  
301 CTTAGAACAT ATGAATTCTA GTGTTCAATA TTCATTATTG GTTGTAAAA  
351 TTGTGCTGAT TTTVGTGAT CAGACCTCAG CCCCTTAATA CTGCCCTTT  
401 GCCCTTAAG AGATTCATG TGTGCACAGA GAGGCCACCC TTT

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ug446

1 GAATTGATT CACAGTTGCC CCAGAGCAGA GTGTGCCCTT CCACAAAGCC  
51 CTAGAGGACT GGCAGTATGA CATGATGCCA GGATGAAGCT GTGATGTGGA  
101 CGAGAAGATA GACCGGCTGG AGTGAGGGAG GGAACCTCAG CTTGGTCAGG  
151 CCTTGCAAGT GAGGGCAGAC GGACAGGGTG ACCTGGCTAC TAGACTAGGG  
201 TGGCATTCT TCTGAATGAT CCCTGTGCCT TCCCAGAGAA AGGTGGGAGA  
251 AATAAAGGAC AGGGTGGGAA GGCAAGGGAG GTGACAGAGC CAGCTCCGTT  
301 ATCTCCCCAG GCCTCCACAG CAGGGGTATC TGTCAGTTCC ATGCACCCCA  
351 GATCTGGGCC CAADCCTGAG GGTCCCCACC CT

ug447

1 GAATTCAAAG CAGCTATGGG CAGCAGCCTC CTACTAGTTA CCCCCCTCAG  
51 ACTGGATCCT ACAGCCAGGC TCCAAGTCAA TATAGCCAAC AGAGCAGCAG  
101 CTACGGGCAG CAGAGTTCAT TCCGACAGGA CCACCCCAGT AGCATGGGTG  
151 TTTATGGGCA GGAGTCTGGA GGATTTCCG GACCAGGAGA GAACCGGAGC  
201 TTGAGTGGCC CTGATAACCG GGGCAGGGGA AGAGGGGGAT TTGATCGTGG  
251 AGGCATGAGC AGAGGTGGGC GGGGAGGAGG ACCGTGGACT SGGGTAAGAG  
301 CAAAACCTT CTCCTTTAT CTAATTTGT TTCATCCATA GGATTTCAA  
351 TGGAAAGAAG GGACTGAAAG ACATAAGAAA TTTATCCCAC TTTTCATGGA  
401 CAATCTATT SDCAAGCTAT CTCCTAAAAC ATGGAAATGT CATTAAAGTG  
451 CAGTTGCTT TTTCCCTGC CAGTAACCATTGTTGGGCTG GGTGAACAAA  
501 GAATGCTTG AAACTAGAGCT

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ug448

1 GAATTCTTT ATATTCTTAT CCTCCCAGGA TTTGGAATT A TTTCACATGT  
51 AGTTACTTAC TACTCCGGAA AAAAAGAAC C TTTCGGCTAT ATAGGAATAG  
101 TATGAGCAAT AATGTCTATT GGCTTCTAG GCTTTATTGT ATGAGCCCAC  
151 CACATATTCA CAGTAGGATT AGATGTAGAC ACACGATCTT ACTTTACATC  
201 AGCCACTATA ATTATCGCAA TTCCTACCGG TGTCAAAGTA TTTAGCTGAC  
251 TTGCAACCCT ACACGGAGGT AATATTAAAT GATCTCCAGC TATACTATGA  
301 GCCTTAGGCT TTATTTCTT ATTTACAGTT GGTGGCTCTA TGGAGGT

ug449

1 GAATTCATCG GGAATAGTGG GTACTGCACT AAGTATTTA ATTGAGCAG  
51 AATTAGGTCA ACCAGGTGCC TTTAGGAGA TGACCAAATT TACAATGTTA  
101 TCGTAACTGC CCATGCTTT GTTATAATT TCTTCATAGT AATACCAATA  
151 ATAATTGGAG GCTTGAAA CTGACTTGT CCACTAATAA TCGGAGCCCC  
201 AGATATAGCA TTCCCACGAA TAAATAATAT AAGTTTTGA CTCCTACCAC  
251 CATCATTCT CCTTCTCCTA GCATCATCAA TAGTAGAAC AGGAGCAGGA  
301 ACGHTGAACA GTCTACCCAC CTCTHGCCGG AAATCTAGCC CAT

ug450

1 GAATTCTTT TGGGATAGCA TTTGAAATGT AAATGAAGAA AATACCTAAT  
51 TAAAAAAA CTTAAAAA TAAAAAAA AAGGAATGTG TGCTGGCTGG  
101 GTGGGTGAGT GATGCTGGGT GGTTGGTGGT GGTCCACACC TCTAATCCCA  
151 GCTTCCGGTA GAGGTGGGCA GATCTGAG TTCCAGGCCA GACTGGTCTA  
201 TAGAGCCAGC TGAGAACAA CCAGGACTAC ACAGAGAAC ACTGTCTCAA  
251 AAAACAACAA CAAAATGTAT GTCTAGCCTC TTHGCCAACT CTGTACTCTT  
301 AACTGTTGA TAAACTGAGT CATAGAACAA GCYGTGAAAT CTATAATGCB  
351 ACACTATGAA AGGACCAGGR AAGCGCCAGT CTGCCT

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ug451

1 GAATTCCCTTA TGAAATATTCTGCATACTTA AATGAAGCTG GACTACAGTG  
51 TTCTACGATA TCATCGAAGA TGCACAATCC CCATTGTCTG TCTGGCCATG  
101 GTCTTTGCCGG ACAAAATCAGG TTGACAATTAA ATGGGAGCAG CTGTTCAAAC  
151 CACGGCAACA CCTTTTCTTT GTAGCTACTG AATATTGAGT GTAAAATATC  
201 CGACACTTTA GTCACTATAT AAACATCATT ATCATCCTCA TCTTGTAGTG  
251 ACTCTTCAAC CTGCTCGTCA TAGTCTTCAT CTTGTCTTT AACTTGCCGC  
301 AACTCCTGAT TTTTGAAATG TKCTTCAAGC TTGCGCTTCA GGATGCCCTCC  
351 CAGCTCCTCA AAGTGCTCAT TGTTGAGGCA CCCGTCTCCC ATGACCTCAA  
401 TGCACCTTGC AAAGGAATGC ATGATCTCCG AGAGGACATC TGAGTCGGGC  
451 TCTGTGCCGA TGGCCTTGAT GAGAGCMCGC ACATGAAGTG CCACATCTGT  
501 GTAAGGTACC SGGACCCCC

ug452

1 GAATTCCCCG GCTCGAGCAG CCGCTTTTT TTTTTWMWC TTTTAGTGGAA  
51 CCTGAGAGTT AAATCAAGGG CCTTGTGCAT GCTCACAGTA CACCTACTG  
101 CTGAGCTATA TCTCCAGACC CAGAACATCTAT TTAGTTATA AATAACTTCC  
151 TAATGCCTGT CTAATGATGC ATATCTTAAA TAAGTAAATA TGTTAAATAA  
201 AACAGTATTTC ATTTCAGTTT TAAGTAATAG GCTATCTTGA ATTTCAGTT  
251 TAAGGTAAAT CAAATAAAAT TAAGACTATA AATGAATCCT ACTTCTATTAA  
301 TTTATCATACTGTATATTGA CTTATGCTTT TATATTTAA CATTGGCATT  
351 CAAGTCATAT GAATCATGTA AAATTGGCTG CTTTTAACTA TTGTAGTTG  
401 TTATTTGAGT GGTATTCTAT GTTGCTTAGA TTTTAACGTG GCCATGTGTT  
451 TTATAGTTA TATGGTTTA TCCTGATTAT CTTTTGTAA ATGTGGGAGC  
501 TAAGAACTTA AAGAATTTC AAAATCGA

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ug453

1 GAATTACTGA TTTGTGTTGC TTTAACAAACA GCAGACTCAT ACATCTCCTT  
51 TTTAGTRGGCTGAACCTGT ATCTGAATAA TAAGGGATCG ATTGCATCTT  
101 TCTTCTTCCC ATGGTGAAAA GACTGCTTG TGTTCCGAG TCGTCAGTGT  
151 CCCTGATGAC AATCGTCTCT CCATCAGCAC TGCTCAGGTG THCGTTAGCA  
201 AAACCATTCT GATGTAATGG AGGGAGGACT TCCAAGATTCTACACTGCWG  
251 CCTTGTGCCATTGTTCCGA ATGACTTCCA CAGTCTCTTC AACAAAATAT  
301 CGGTCTTGA CATAGGCAAATGATCATCA CAGATTCAT GCAADC GTGA  
351 ACACGAGTAA GGTTGGTCAG GTATAAAACG GAATAATTAG TGGTTC

ug454

1 GAATTCTTA CAGATGATTG TGAACAAACCA TGTGCTTGT AGGAATAGAA  
51 CTCAGGACTT CTGAAAGAGC AGTCAGTGCG ACCATCTCTC CAGCCATGTT  
101 TTACCTGTTT ATAAAGTGGG GCTGTGTATT TAGAAGGGTG AACACAGTAG  
151 AGAGAGTATG TTTCTGCGTC CTGGCATT GTGAACCTAGA TGCCCAGCGG  
201 CTGGTCCTCC TCCATCCCCT CCTTCCTGTT TCAGTCATT CTAGTGTAGA  
251 TGGCATTAA AAGTCCATGT TTTATGTT TCTGGTTAAT GGTTATCCTT  
301 CAGATGGTAA TTCTTACCCCT TGTATTGGG CAGAGCAAAA AGGCTTGGC  
351 TCTAGACTGG CCAGCAGTTT ACCTGGATAA RGTTACTT

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ug455

1 GAATTCTTGG GGTTAGTGAG GTCAACTTCC TCGGAGTCGT AGTCTGAGAG  
51 GATCCACGGG AAGACAGGGT ACTGCATGAG GTCATTGTAA GATCTGCC  
101 CCAGCGTGTT CAAGTGCATC AAATACTGGA AGTTGCTGAT TTCACCTCTC  
151 TCCCCATCTCT GAGTCACAGA CTTCTCTCCA ACCAGAGTGC TGAGTAACCC  
201 AGACCCTTGT TCCACACTGG TGTTTGGTCT CTGTCCGGAC ACAGACTCCG  
251 AGCTGTCCGT GAGAGAGGGC ACAACTGCCA GGAACCTTG GTAGACTTTA  
301 TTCCGAATDC CCTTTGAAA AGCCAGGAGG TAGTCCGTC CATCTCCAGA  
351 GAAAACCTCA ACAGCGATAG GCTGGAGGAG ATATCTCCTT TTATGCACCT  
401 CCTTGATGTC TTCATATGCA

ug456

1 GAATTCTTT TTTTAAAAAA TGACAATACA AAAGTACCTT TACACAATT  
51 ATAAAAGCAT AATTGATGAT AAAGCAAGTA GGAGTCTCAC AGTCAAGTGG  
101 CACGGGGGCT GGGGCCATGA GCAGTCCCTG AACACCAGCT TGGATGTCTA  
151 AGTTCCCAGT GCTGCCTGCC CCCGTMCTCT AGTTACAGT GAAAAGGCC  
201 ATATTCCAGG CCTTGGTGTT TCTTTTTTA AACCTTAAA AACTTGACAT  
251 TACTTCTCAT GAAAAAAATAA TGAAATAACC CTCCCAAACM ACTGACAAAA  
301 ATMATTAAAA WWTGACCCTT TTTHAMCACA ACACAAGCRG ATCAAAAMCA  
351 AAGGTTCCAA AGGATTG

ug457

1 GAATTCCCCG GCTCGAGCGG CCCCTTTTT TTTTTTTT TAAATTTTG  
51 GTTTTCGAG ACAGGGTTTC TCTTATAGC CCTGGCTGTC CTGGAACCTCA  
101 CTCTGTAGAC CAGGCTGGCC TTGAACTCAG AAATCCACCT GCCTCTGCCT  
151 CCTGAGTGCT GGGATTAAAG GAGTGCGCCA CCACGCCAG CTTATGGGAC  
201 CCCCTTTCA TTGTAGTCTG GGGTACAAGT ACAGAAGCCC TTGAGGGGCT  
251 CTGAACCTGT ACTGCCCTCA G

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ug458

1 GAATTCGCAC AGAGCATCTG TACATCCCTC AGAACTCAGA GTGAACATGC  
51 TCAGAACATCTG GCTCTGACGG GTGATTGAA GAATCTGTGT TTGAAGCACT  
101 TGACTCATCA ACTGGTTCAA ATGGTCGCAA GTTTGCATAT GTCACCTCTT  
151 GGGCTAGTTG CTCTAGGGAA GGGCGGCCTA ATAGCAGGTT TCGGAGTGAA  
201 ATTGAGTCA TCAGGAAGCT GCGTCGAAAG ACGTAGAGCT TTCGCAGCAC  
251 GAAGCGGAGA AATCGCTCAT GGAAAGGGCT ATTCGCCTG CGTTCAATT  
301 CTTGGAGCTT CCTCTGTCGT CTGAGAAAAG TTTGGACCAG AAGTGTGGC  
351 TCAGGGCCCC TTTCTTCCC TTCCAAAG

ug459

1 GAATTCCCTT TACTCATATT TATCTCCTTA TTTTAAGAG ATTTGTTTC  
51 TTTAAAAAT CTGTGTGTGT CTGTGTGTGT GGAGTGTGTC AGAAAAGGCC  
101 AGAAGAGGGT GTCAGGTCCC CTGGGGCTGG AGTTACTGGCTGAGGTGAGC  
151 TGCCCTAAAC AGGGCTGGGA ACTGAACCTCA GGTTGTCTGC AGAACACAGAA  
201 AGTGCTCTTA ACTACTGAGC CACCTCTTR GCCCTCTGCC AATGTTAGT  
251 CTAACCACTA TTTCTAAGCT TCTGGTTCTC TGTGTACAGC ACAGGAATAA  
301 AAACAACATC TAAGGCTGGR AAARTGGCAC DCACCTTAA TCCAGCACTT  
351 GAGAGGCAGA GGCAGGGGGA TCGAGGCCAG CCTGGTCTAC AGAGTAGTCC  
401 AGGACAGCCA TGTAGAAAAAA CTAATAATGA TAACAACAAC AACAAACCACC  
451 ACCAAACCC

ug460

1 GAATWCGTGT MGTGGTCTCC GAACDGCCCG GAAGCDCCGC AGTCACCGAC  
51 GGGACCAGAA GTGGCATGAC AAACAGTACA AGAAARWCA CTTGGGCACA  
101 GCCTGAAGGC CAATCGTTG GGGGTTCTCA TGCAA

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ug461

1 GAATTACTT GATGATAATC CACACAATAT TGATGTGAAT AAATTAAAGG  
51 TGTAAATTTC CAAAGTATAA TTACAAAAAT AAAAGTAACA GACTGGAAGA  
101 GTATTATTTA ATGGTCTACC AAAGATCTAT AAGCAAGAGT TTTGGGGAAG  
151 AAATAACACT ATTTGTATT TCACTATATT CATTAAAC TAAAGCTTGT  
201 AATCTCTATT TTTAAAATCA CATTATATCA CTTCTTTT TTTTTTTT  
251 GGGTTTWGT TTTTTTWC GAGACAAGGG TTTCTCTGTA TAGCCCTGGC  
301 TGTCTGGAA TCACTTGTA GATCAG

ug462

1 GAATTCTGA GGAGTCCCTG GGTCAATGGC AGCAGAGGAG CTGCGGCC  
51 AGATCACAGT ATGGCACTCA CACATTTCA AGCCAGAACT AACAGAGGA  
101 GTTCGTAACT CGGTTATTAGGCATATT TTGGCTATAT TCAGTGTGGA  
151 TAGCGATGCTCAGAGAAA CACAAATCTA TGAGAAGTCA GAGGTAGCTT  
201 TTATCATCTG TCTAAAAGGT TTAAAGAAC CACTTCTGT ATGTGAT

ug463

1 GAATTCGATG TGTGTCCTAC ATGCTGGTGG TTTTACCCCT ACCTGCTGCC  
51 CATGCTCTT CCTGCTTCTC GGTAAAGGCCG AGCAACAAGG GTTTACAGGA  
101 AACCGAGATT CTTCCCGAGG CTCTCTGGG CTCCTAGTGA GGGACTCAGT  
151 GAGCGGGAGC CCTTGGAAAA GAAGACGGCA GAGCTGAAGT GAAAAGCAGT  
201 CTCTTCAGGA GGGATGTTCC CTCACCCCTT CACAGCACCA AAGTTCTT  
251 GCAAAATAGG GTCTGAGCTA CAAAAGGGAG GCAGATGTGC TTGTGAATGC  
301 AT

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ug464

1 GAATTCCCCA CAGCAGAAGG GAGGAGACAG CCAAGAAAGA GTGAGCTGAA  
51 AGTCAGGCCA GGATAAAAGTT CTACCCAGAA GTGTCTGAGA GCCATCAAGC  
101 CTTGTCCACC ATGATGGGCT CCATCCTTCA AACCATAGCC AGAACAGGCT  
151 CTTTCTCTGG TAAGTTGCTT CTGTCAGGAA ATTCACTCT GCAATGAGTA  
201 AAGTTCTCC TGCACCTGCA GAGGATGGGC AAGCACCGGG GAGTCTAGGG  
251 GTCATCCAGC CCACCTGCC CGCAGGBCTG AGCTAGACTG AGTGAGAAAG  
301 GGAGCACAAA

ug465

1 GAATTCCCCG GCTCGAGCGG CCGCTTTTT TTTTTTTTT TTTGTAAAAAA  
51 GAAACATGAT TCTTTATTGA AGGAACAGCC GCCATACAAA GATCTATTGC  
101 TTCCTACACC GCTACACTCA GAAGGAAGCC GAGAAAGCTA CAATAGGGSG  
151 MGCATGCAGA ACCACAAACT GGAAAGCAGA GAGATCCTCT AAGGCACGGA  
201 CTGGAGCCTG TTTCCCAGC CTCTATGTCC AGTGCCTCTC TCAGCCCAGG  
251 GAGAGCAGGG GAAGGCAAGG TTGTTCTCTC CTGCACCAGA CACTTAGATT  
301 TCTCTCTAAG AAGAAACCAC TTTCCATCC ACTGATT CCTCCACACTGAT  
351 ATGGAAATTG CTGCTG

ug466

1 GAATTCTTT TCTACAATGG TGTCACAGA GACCTGCTTA CACTGTAGCT  
51 GCTTAATAAA ATCCTTCACT TGCAATGACCA TGTTCTGAGC AATATTTATC  
101 TCCAGCTCAG TGTGCCTCCT CTTCATGTT TGCAAGTTGTT GGTCAGCATC  
151 CTGCAGGTAA ATCCAGAGCT CGGCCTTCAG GCTCTGATC TCCTCCCAGC  
201 CCTGAGTTAA GTTCTGTGCT TGGACCAGCC TTTGTTCAAT CAGCTGCTCT  
251 GTTTGCTGAA TATCTTTGC TGTGTTTTC ACTGAGGAGT TTGACAAGTC  
301 ACACATGGAG CAAAGGAGAT CCAAGTAGGT CCTGGCCTGC TCTTGCAAAG  
351 CTCTGAAGTG TTTGACCTGC TTAACAGCTT CTGC

198/472

ug467

1 GAATTCCCTCTTAAAGGCTTGTACAAACAAACAGAGTAAGTTACCT  
51 CCCAGAACCACTTTCCCACATGCAGAGGTAAAGAAAATACCAAAGGGCC  
101 CAAACGAAATGTGGGTGGTG GTGTGACATA GGATAGTGGCAGTCTTCATG  
151 CCTAAAACAGCCCTAGGTAGAGCCAGGTAGAGTGGCAAACCCTGTAAACC  
201 CAGCACTACGGGAGCAGACA GGTGTGAGTT CCAGGCCAGCCTGGATCCA  
251 GCAACACTAA GTCTTAAACTATACATGCGCATKCKCKCACACACACA  
301 CDCKCTGTGA AAGGGGCTGA GTAAGGTACA GACCTTAATCCCAGCCTGG  
351 GGAGGCAGAGACAGGCCAGCCTGGTTACA AAGTGAATTCCMGGCCAGTC

ug468

1 GAATTCAATTATCCTTCGCCTAGGACGTGTC ACTCCCTGATTGGCTGCAGC  
51 CCATCGGCCAGTTGACGTCACGGGAAGGCAGAGCACATGGAGTGGAGA  
101 ACGACCCTCGGCACATGCGCAGATTATTTGTTTACCACTTAGAACACAGC  
151 TGTCAGCGCCATCTGTAACGGCGAATGTGGCGCGGGCTCCAAACATCTC  
201 CCCCTTCCTTTAATAAGAGCAAATAGGCACCCATATT AATGAGAGTG  
251 GAGATAGAGGTCAAATCCCCAGTGTGAGGTAAAGGAGCCATGTACAGGA  
301 TTAGCTCTTAGGTCACAGGCTTTACCCA GAGCAACCCTGACCTGCTCC  
351 CGTGTGTTTTCCTGGGGGAAGGAACTAGGACTGAACTTCATGAA  
401 AGATGACATGCTCCCTAGAATAGGCTCATAT

199/472

ug470

1 GAATTCAAAA AAAACAAACAA CATTGGCTTA AGTCATCCT GATTCACAT  
51 TTAAAAAGAA TACTGGAGCC GGGCGTGGTG GCGCACVCCT TTAATCCCAG  
101 GTCTCGGGAG GTAGAGGCAG GTGGATTCT GAGTTGGAGG TTGGCCTGAT  
151 CTACAAAGTG AGTCCAGGA CAGCCAGGGC TACACAGAGA AACCTGTCT  
201 CAAAAAAGAAA AAAAWAAAA AAAAAAAAAGAATCATGG GTCAGTGAGT  
251 GGAGGTACTT ACCCTAAATC TGGCATCCTG AATTGATT CCAGGACTCA  
301 CTGGTAGAGG GAAACMDCTG ACTCCTGCAA GTTGTCTTT GATCTCTATA  
351 TGTGGGTTGT GGCGATGTGTA TCCCTGATGG GCAATAATT ACCAAGTAAA  
401 TTAATTAAAA TATAAT

ug471

1 GAATTCCAGA AAGCACACAG ACAATAATC TTAAGCACTA TTGAGGAAAG  
51 GAGAGCCCCT GATCAGGCTA CCTTGGTCT CTTAAAGGCT CCTGAGTACT  
101 AGTGGGACAT GGAAACTCTC CATTACTGAG TTGTTTCAGT GTCATTCTAG  
151 CTTCCTGATG AGATGGCATC TAATGGAAA ATGAACTCGC TTGGCTCCCA  
201 CAAGGAGAGG GGAACACTTA GCTGCTGCCT GTCTCTAAAG GCATGACTGT  
251 GTAGCACTTC ACTACCCCT GAACTACTAG CATTAGAATC TAGTTCAAA  
301 AGGAAGAACAA AAGGRACCCT CGATTGCTAA CAGTATGTAA AGGTGCAGGC  
351 GGTAGCAGGG AGGAGGACTG ATGTGTAGTA GCATGAAATC TGGAATGAGG  
401 TTTTCATGAG AAGCCACACT AACTTATGAG TCAC

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ug472

1 GAATTGGCG ATCCAAGCT TGCTGGTCC TTTAAGCAGG CTGACAATCG  
51 TTCTTCCTA ATGAAGTGGG TTAATACCTT CTCCTAAATT TCCATTGATT  
101 CAAATGAAAA CTTGGTCTGT GTTCCAGGGG TGTAAACTCC AAAGAGAGTG  
151 TATTAAATCT GATTCTATT TTGTACGTT AATTCTGGA CTCAGCACCT  
201 TAGAAGCTGT GACTGGCTGT GTTCTTAGCA TGGCAGGAAA TACTTTCAGT  
251 GGATTTAAAA AMVCTGTAGA AACGATGAGT AGTTGAGTCA CTACGTCTT  
301 TCAAAGCATG TTAAAATAC CTCCAGAAAT AGGTTGCCTTAAATCAAAA  
351 AGCAAACAGC AGTTGGAGT TAGGGGCTGA AAATGAAAGG AGAAAGGTTG  
401 AGAGCTATGA CCCAGCCCGG GCC

ug473

1 GAATTGGCA GCATCATCCC TCCTGAGGCT TCCGTTGACA ATCTGCCAG  
51 TCACTGGGTG GATTAGACCA GCTTGCAGAA TTCCAGACAA GTCCATACCG  
101 AGAGCTCCTT GAAGTGAACt GATAGCACCA ATCTTAGGGG YGCDGGCACT  
151 CACTGGAAA GGAGATGTGG CTCCTGGAGA CCCCTCTGAG GAGCAGGAGA  
201 GGTCTATAGCTGACTCCCCA TGCCAGCCAT TGAGGACAAT

ug474

1 GAATTGTTT TTTGAGACAG GGTTTTCTG TATAGCTCTG GCTGTCCTGG  
51 AACTCACTT GTAGACCAGA CTGGCCTCGA ATTCAAGAAAT CCGCCCCCCT  
101 CTGTCTCCTG AGTGCTGAGA TTAAAGGCGT GCACCA

ug475

1 GAATTGGCG CCGTAGCCAT CATGAATGAC ACAGTAACCA TCCGGACCAG  
51 GAAGTTCATG ACCAACCGTC TGCTTCAGAG GAAACAGATG GTCATTGATG  
101 TCCTTCATCC TGGGAAGGCA ACAGTACCAA AGACAGAAAT TCGGGAAAAG  
151 CTGGCCAAAA TGTACAAAAC CACACCAGAT GTCATCTTG TATTGGATT  
201 CAGAACCCAC TTCGGTGGTG GCAAGACCAC TGGCTKGGC ATGATCTATG  
251 ATYCTTACA TTATGCA

201/472

ug476

1 GAATTCTGG TTGTGAGCCA CCATGTGGTT GCTGGGATCC GAACTCAGGA  
51 CCTTTGGAAG AGCAGTCAGT GCTCTTAACC GCTGAGCCAT CTCACCAGCC  
101 CCTACTTGTCA AGATCTTGG AAATAAAAAT CTCTACTTAT CCCTGAGGCC  
151 ATTAGGTTTG CCAGCCAGTG GCTATACCTG ACAAGCCACA GCATGGTCCC  
201 TTATATAACA TGAAAGTGGG AACAAATAAT GAGACTACTA AAGGGAGGAA  
251 CAAGATAGGG CAATGGTGGC AGGAAACAAA ATTGTTCCAT TCTCTCTCAC  
301 AAGGGCAATC TAGGTTAAA AACAGTGAGT ATTTGTGTGA AACCAAAACT  
351 BGAGAGAAGA AGGGGGTCAG TGAGAGAGGA AAGAGA

ug477

1 GAATTCTTC CTTCTTCCAC ATACCGTCCA AAAAGAACAT GCATGGTCCC  
51 CAGACCAGAA GTAACAACAC TGCCTAAAAA CTTGCTAGAA AAGGACAATG  
101 ACCCCACCCC AGATCTACAG AATGAGAAAC TGTCTGGGTT TTAACAGACC  
151 AGATAAGTGT GCTTAACAA GCTTGAGAAC CTGAAGCACA CCATCCTTT  
201 CAGCCGAGAA GCCACGAGGG GGAGTACAAC TTAACAGCCA TGGGTATCTG  
251 TTATGCCAAG GTCAAAGGTA GCATCCTCTG AGGAGACTCC AGGGAGTACT  
301 GGGAACMACA CTCAGAGGAG AAATWACCAC CACAGAGCAG GAGGGAGAAA  
351 GAGAAGTAGT GTATTAGGAC ACCAAAGAGA TAGAGTCTCC CAGGATTGAT  
401 GCTGGCTTAG AAGCCAGAGC AAAAGATATC CMGTGTTGTT ATCTTTC

ug478

1 GAATTCCATA AACCCAAATC TCTGCCAGG GTGATGGGTA CAGGCAACCC  
51 CTCTTGGTC TCCACCTAAC AGCCCCTTTC TCCTGCAGTA TGAAGCACAT  
101 CTCCCTGTCTT CTGCTCATCT TGCATGCCGA GGATGATCCA GTTGTGCCCT  
151 TTCATCTCGG TAGAAAGCTA TACAACATTG CTGCACCACATC TCGGAGTTTC  
201 CGAGACTTCA AAGTCCAGTT TATCCCCTT CACTCAGACC TTGGCTACAG  
251 ACATAAAATAC ATCTACAAGA GCCCAGAGCT TCCAAGGATA CTGAGGGAAAT  
301 TCCTAGGGAA GTCGAACCC

202/472

ug479

1 GAATTCTCGC ATTCCCTCCTC CTCCGCTCGC TCTTCCACCT CCATCTCCTC  
51 CTGCTCTGCC CGGTCCACGT CGTGGATGCC CACCAGGAGA CTGTAATCCA  
101 TGATCTTCAG CTGGGCCAGG AACTAACGT CCCGCTTCAG TTTTCCAGG  
151 AAGTTCTTT TGCTCTCTC TCCCACGTGC AGCTTCTGCC CTTHGTTGAG  
201 GAAGTCATTA TCTTGAAAG TTGGCAAGTC CTTAGCCTT HHCTTGTAC  
251 HGCTTCTCTG GCAACAGTGG AACCCCTCAG G

ug480

1 GAATTCCCTT TCTTTTTCT TTTTCTTCCT TCTAATCTCT CCCCAGGTAT  
51 TCCTACCTGA CCTTAACCTT TCCTCGGGTT CAAGACCCCT GGAAAGGCCT  
101 GTATACTTAC CGTTCTCCT TGCTCCTACT CTCTCTCCCC GCTTACTHC  
151 YGATAGACTG TCCTGAATT CCTCTAGAAT TTTCAGCCCT ATCTTAAGCA  
201 CTATATAACA WGTGAAAAGG RACAAAAGGG CKTCTAACAC TAGAAAAATT  
251 TAAGGCCAAA CATAACTTGT AAAGCCATT TCCACTTAC TTCTGATAGA  
301 C

ug481

1 GAATTCCCTT CTTCCTTCCT TCCTCCTCC TGGCCTTCCT CTTCTTCCTC  
51 CTTTCCCTT TCCTCCTCCT CTTCCTTAGC CTCAGGAGAC TTCACGGGAG  
101 ACTTTCGGCTTCTGGTCC TCCTCTTTT CTCGGCCTCT TCCTCTCCT  
151 CTTGGCGGA GGCTGCCAAC TCCTCTCGA TGGCTGTGAG GGTTTCTTCC  
201 ATTTCTGACT TCTCATCTTC CMCTTAGTT TCTTCGATGA TCTCCTCCAC  
251 AAATTGTGT TGGACCTTGA GCTTGGGGGC CTCGACTTG GTCTTCTGAA  
301 TCTTACTGGA TATTGTGACT GAGGGCTGTC GGTGTGTGTA CAGARGCCCG  
351 GTGATGCTTC CTGAAAATGT GCTAAATCTG GTCTCTCCC C

203/472

ug481

1 GAATTCCCTT CTTCCCTCCT TCCTCCTCC TGGCCTTCCT CTTCTTCCTC  
51 CTTTCCCCCT TCCTCCTCCT CTTCCTTAGC CTCAGGAGAC TTCACGGGAG  
101 ACTTTCGGC TTCTGGTTC TCCTCCTTT CTGGCCTCT TCCTCTCCT  
151 CTTGGCGGA GGCTGCCAAC TCCTCTGCGA TGGCTGTGAG GGTTCTTCC  
201 ATTTCTGACT TCTCATCTTC CMCTTAGTT TCTTCGATGA TCTCCTCCAC  
251 AAATTTGTGT TGGACCTTGA GCTTGGGGGC CTCGACTTTG GTCTTCTGAA  
301 TCTTACTGGA TATTGTGACT GAGGGCTGTC GGTGTGTGTA CAGARGCCCG  
351 GTGATGCTTC CTGAAAATGT GCTAAATCTG GTCTCTCCC C

ug482

1 GAATTCCCGG CTCGAGCGGC CCCTTTTTT TGGGGGGGAG ACGGGGGCTC  
51 AGGGTGTGAA CATGAGGTGA GACCTGGCAT GGCAGGGCTG AGTCGTGCCT  
101 GCTGTCAGCC CCTCTCTGTC CTTCCGAGG CTGAGGGGGR ACTCAAGCTC  
151 CCTTCCCCAG CAGAGCCCAC CCACCCACCC HGCCTCAA GCCCCCTTG  
201 GAGAGTTAAC TGTCGTGTG AGGCGCTCAC TCAACCAATA AGCCCC

ug483

1 GAATTCGTATTAAAAATGAC CACTTCAATG CAGGAACCTG CCGTGCCAGG  
51 CACTTAGCAT GCTGGGCATT TGGCTCTCAG CTTGTCCAGA CGCTACAGCA  
101 GCAGCAGCAC AAGTCTCAGG ATCATCATGA GGCTGAGTCA CAGGAAGAGG  
151 AAGACAGAGG GACAGTCACG CTGATGGACA GGCCTGCTGT GTACTGCCCT  
201 GTCATGTCCC TGTGCTGTGG GCTCTGAGGG CTCTGTCACM GCCCTTCTCA  
251 GAGGAAGCAA GGGGGACTCA TTTTACTGTG TCCCAACTTC CCAGATGCAA  
301 CTTGAAAATA TTCCCTTAAR VVTGCAACTA GACCAGCAGG CATTACTTTC  
351 TTGGACCTCT TAAATCTCAC AMCCATTATG GTGGCCAGGA AGAAACTGTA  
401 AACAAATGACA CTTGACATC CCGTTGTCA TGGAGACAC

204/472

ug484

1 GAATTCTGAA TCCACTAATA TTTATGGGTG TTATCACAAG TATAACAATA  
51 AGATGGTCAA CTACAAAAAA CAATAAAACA GTTGCCAAA TAGCAGCGTA  
101 CCCCTACGTT AGCACAGCCA GGTATAAAGA TCCGTAGCCA CACCAAACTC  
151 TACAAC TGTTAAGTGG CATAACAGTA AATAGAGGAA CAACCCATGT  
201 TCAGGGATT A GTGAGAGGGT CCAGATGTTA GAAGCTGCRC CTCCTCCCCA  
251 CTCCTTGACTCACTCCATC ACTTAATGCA ACTAAAGCGT GTTCTTCTTT  
301 CCTTTTCHCT CCTATCTGAC AATGTATGCT GATATTAATT TGAAGVCAAT  
351 AGCCCCAACT GCCTGAAAAA CAAAGAAGTA TTATGAGTTG TTTGAACACA  
401 TGGGKATTAA AAAAC

ug485

1 GAATTCGCGC GCTGTCTTCC CGCTCGCGTC AGGGACCTGC CCGACTCAGC  
51 GGCGGCCATG G

ug486

1 GAATTCTTCT CGCGTGCCTC TCACAATACA GCTCCCCCTC CACGAAGAAG  
51 TAGCCTTCT GCTTGAGGTT GAGGTTACAG TCGGCACACA CAAAGCACTC  
101 GGGGTGCCGG TACTTATCCC GGGCCTGAC GACAGCACCT ACAATACCAC  
151 TCCCACACTT GTCACAGAGC GGCATCCTCT GGGCACTGCC AGCCCCACCG  
201 TGGACTTTCG TAACCGGAGC CCTCACGCTT CGAGTCCAG CGGGACGGTC  
251 ATCAGGCCCG TCATTACCA GATCCTGCAG CACCTGAAG GAGCCGACT  
301 GGCGAGGAGC VGCTGGGTCA TCCCGGTTGT CATGGAGCAT CGGTACACGT  
351 CCGACTGAGG GGGCACTGAA GCYGTGGGGT CATTTCAG TGA

205/472

ug487

1 GAATTGGT TGAATATGCT TGGCCATGT GAAAGTGGCAC TATTAGGATA  
51 TGTGGCCTTG TTGGAGTAGT TGTGGCTTG TTGTAGGAAG TGCACTCACTT  
101 TGGGGGTGTG CTTGAAGCT CCGCRCAGTG GGAAAGAGAC CCTCCTAGCT  
151 GCAGGGGCGA AAGTTGTTCTGGCTTCCT TTGGATGAAG ATGTAAAATT  
201 CTCAGCCCCCTCADCGCCAT GCCTGCCTAG ATGCTGCTGT GAGTCCTGCC  
251 ATGATGATAA TAGACTAAC CTCAGAACCG ATAAGCCAGT ATCAATTAAA  
301 TGTTGTCCTT TATAAGAGTH GCCTCAGTCA TGGTATCTGT TCACTGCAAT  
351 GAAACCCTAA GTAAGACACT AACAGAAACT ATAATCATT GAGGAGAAC  
401 ACAATTGAGA AAATGCCTCC ATAAAACCTGG TGTG

ug488

1 GAATTGAGA GAACGAACCA CCCAGCAGCT CAGGTCAGTC ACCTTTCCCC  
51 ATCCCCTACC CCTGCCTGCA GGTTGTTCC ATTGTGCTGA GGAATGTCCC  
101 TGCCTCTGGG ATGACATCCA GGTGGTATAA ATGGAAAAGT GACAAATTAT  
151 TCCTTGCTC TAGTGTAGGC ATTGCTGTAA TTAGTAGCAA GTTGGAACCT  
201 TAGGAAAAAA AAATCTCACC GGAGTGTGAA GATGCATTCT AATCCTCAGT  
251 CTGCAGAGTA AATAAAGTGT CACACCAGTA GCCTDCCCGA GGCCACTTCT

206/472

ug489

1 GATTCAACAC TCCTCGTCCC CATTCTAAC TGCATAGCCT TCCTAACATT  
51 AGTAGAACGC AAAATCTTAG GGTACATACA ACTACGAAAA GGCCCTAACAA  
101 TTGTTGGTCC ATACGGCATT TTACAACCATT GCAGACGC CATAAAATTAA  
151 TTTATAAAAAG AACCAATACS CCCTTAACA ACCTCTATAT CCTTATTTAT  
201 TATTGCACCT ACCCTATCAC TCACACTAGC ATTAAAGTCTA TGAGTTCCCC  
251 TACCAATACC ACACCCATTA ATTAATTAA ACCTAGGGAT TTTATTTATT  
301 TTAGCAACAT CTAGCCTATC AGTTTACTCC ATTCTATGAT CAGGATGAGC  
351 CTCAAACTCC AAATACTCAC TATTGGAGC TTTACVAGCC GTAGCCAAA  
401 CAATTCATA TGAAGTAACC ATAGCTATTAC CTCCTTATC AGTTCTATTAA  
451 ATAATGGAT CCTACTCTCT ACAAACACTT ATTACAACCC AAGAC

ug491

1 GAATTCTTT TTGTACTGTT AACATTAACA ATTTTTTTTT TTTTAATTCA  
51 AAAGATTCCA GGCTTCTTG AACTATCTT TACTCTTAT ATACTCAGGA  
101 GGTGGTGCTC CAAGGGCAAA GAATATTACA ACWGACTTAG CCAATTAAAC  
151 TGCTCCAGCT GGGAAATACAC TCTAACAGA ACCCCTACAA TCAGAGTCCT  
201 ATGGCTCTCT CTGAAGAGCA ATGTAATCA AACATTAGCA CATTCTATT  
251 ACCTGCTTAA ATGTTGAAG TCTATCCAGT GTCCTCTGTC TCTCTGGCT  
301 AACCCAGGCA CTTTTCTTT CCTCTTCATC ATGCAATTG TCTCTTTA  
351 TTGTATTGT ATGATGGGCT CTATATTCACT CTTCACTCTG AAA

ug492

1 GAATTCTGG GTCAGAAGCA GCTTCATGT TAGTTCTGA TTTCTACCTT  
51 ACTGAGTTM CTGTTATTAT ACTACATACT CCAGACTAGC TGGACCCTTG  
101 AGCTTCTGGC CAGCTCCTCT GTGTCTACCC CAACCAGCT GTACGAGTAC  
151 TGAGATTACA TACTTGCATC ATTGCACCTG GCTTCTCACT CGGTTCTGGA  
201 GWTCAAACCTT GGGTTACCGG CTTGCAGTAG CAAATGTTT TACC

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ug493

1 GAATTCGCTA TTTATATATA AGCGATAATA TGGGTTTGT A CATTAGTTT  
51 TAAAAAAAGGG AAAGTTTGTTCTGTATATT TTGTTACCTT TTACAGAATA  
101 AAAGAATTCA ACATTAAGAA CCATGTAACC GAGACACTTG ATCTGACACA  
151 GGGGCMGTCG GGAA

ug494

1 GAATTCTTAG GAAGTTAAAA AAAAATAGTT TTGTAATTAA AGTATAAACAA  
51 AACATAGGCA ATGCACACCT TGTCAATCAC TGGAGTAGGA TCATTGGATT  
101 CAAATCATAA TGTGGATAGG ATAGGGAGGA TGAATTACCA GGATTCATG

ug495

1 GAATTCGCTC TCTTCTGGGT CTCTGAGGGC GGGCACTGCK CTCACACGTG  
51 GGCACACAC

ug496

1 GAATCCHTAT TTAAAAAAAGA TTGGTCCTCA AGATGTTCAT TCAAATTATT  
51 CTTACATACA CGACTCTGAA ACTTCCACA ACTGCATTTC TACCTAAAAA  
101 TCATCATAAA CCATTCAATT AAGCTAAATT AACYGGTCTC HGTAGAAATG  
151 CTACAAATAC AAAATACTAC CTAGTCYGAT TTTACAAATC AAAT

ug497

1 GAATTCCCCA TGTTGTGATA ATTATCCAT GCATAGCTTA CTATGGCAGC  
51 TTTTGTATG TGGTACCAATT TACCACTTAC TTTTTTATT TTATGTATAT  
101 GAGTACACTA TAGCAGTCTT CAAACACCCC AGAAGAGGGC ATCAGATCCC  
151 ATTACAGATG GTTKCAGCCA CCATGCGTTC GGGACCTCTG GAAGAACAGT  
201 CAGTCCCTTA ACTGCTGAGT CATCTCTCCA GCCCCTGGTT CTCACTCTTA  
251 AGAAAAAAAAA GCAGTAGTCT TAGTATCAAC TGTGAAAAAG GTAGATGTGG  
301 TTAGTAGTAT TACYGAAAC

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ug498

1 GAATTGGAT TTTAAAATT ATGTGTATTT GTGTGTGTCC CTATGAATGT  
51 AGGTGCCTAT AGAGGCCGGA GGTATTGCAT GTCCTGGCCT GACAGAGCGT  
101 TGTTTGTGAC CGGCTAGACG TAGGTGCCAT GGCTTGTAGA AGAACAGGAT  
151 GGTCTTGTCT CTGCTCCAG CTCCTTATTA ATCTATGAGG GCTCTATCTG  
201 CATGAACACC TACATGCCAG ARRRGGGCAT CAGATCCCCT TACAGGTGGT  
251 TGTRAGCCAC CATGTGGTTR CTGGGAGT

ug499

1 GAATTCGAAC CCTCTATCTA CTATCGGAGC CTGAGCGGGA ATAGTGGGTA  
51 CTGCACTAAG TATTTMACG AGCAGAATTA GGTCAACCGG TGCCCTTTGG  
101 AGA

ug500

1 GAATTCCCCA GTCAAAGTTT GTAAATGGGA TCCCCATGAG AATGACTTCM  
51 GTGGAGCAAC CGAGAGAYGC AGAATTCCAA CCCCACCTCTA GACTTACTGG  
101 MTCAGAGTCT TCATAGGCTC AGCCCAGTGA CCCCTGAATG TAGCTGTGTC  
151 TGAGGGAGGC TGTTTMCMA ACTCTTACVC TCCCTCAGTT GGSCAGSCTT  
201 TTTTACATTCTTGACTTCTA ATCCCCATA TGGAGACCTC CACCGCCTAC  
251 ATTTCTAGGA TGCCCTTCCT CAGTTCTTT AAAAAAACAA CAAAAAAAC

ug501

1 GAATTGTGA TACCTGGCTC CTAGGTGACG ACCCTCAGGC GTCTGAATAC  
51 TTCTTCTCTTATTACACA GGCCCACATT CACAATTACC GTTGGTAGCA  
101 GACGAGACTA GATCTCGAG CCCCTGACAA CATACTACT TCAAAGCTAG  
151 CAGAATGAAG ATRCVAAATG ACTGTGTAT AAAAGTATCT TCTGTATCC  
201 TGATGATAAA GCATTCTTC AACTCATAGT TCCTATTAT GTATAGAGCC  
251 TAACTCCTTC ACTGCCTCTT TGTTCTATAA AAGTCCAGG

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ug502

1 GAATTCCCGG CCCAGCDCCG CTTTTTTTT TTTTTTYCTC TAGGATTTG  
51 ACATTGCTGG TGAGTTKAC CCAATGATCC CTGATGCAGA GTGTTGAGG  
101 ATCATGTGTG AAATCCTAAG TGGACTGCAG CTGGGGGACT TTCTCATTAA  
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301 GRGTT

ug504

1 GAATTCGTTA TCAAAGTGAC ACAGCCCACA GGGGACAGAG AAGGCCAAG  
51 GACTCTCCAA ATTCAAGTG CATGAACAGT CAGCACACTG ATAACAGCAA  
101 GCCTCTAAGG GATTGGTAA CCTCACTGCC TGATCAGCTA CAAAAACTGG  
151 ACAGAGATT GATTATGGTA CAGAGCAGCA TATTGGGTG ACATAAAAAT  
201 GTCACCAAGT GDAAGCAATT AGAGCATCCC AACCTAAATC CATTGCAAG  
251 TCCTAAGAAT CTACATGAGA AGACTATTGA AAAATATTC

ug505

1 GAATTCCCTCC AATCTMCACC TATACTTMAA AATCATGAAT CTGACTAGCC  
51 ATGCCATTGA AAACCACTCA GTACTAGAGG ATGAACCAGT TTTCAATGTT  
101 ATCAGCCCTG GAAAACCGCC CAGCTCCDC CCCCAGCACA TTCTATTTG  
151 TTTAACATT TTATAAAT

ug506

1 GAATTCGAGG AATATCAACT TAGTGCTATT TTCACATCGT TCAGTCAC  
51 TTAGCCAGAG TTCCAACCCC TACTAAAAT TCAACTAGAA AGTTACCTAC  
101 CAAGTACTAA TTAGCATTAT AAMGTCAGAG CCTGCAGCTC CAGGCCTTC  
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ug507

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ug508

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101 TTGTTAAACT TAAAGCTGTC ACTGGATATA GAAAAATAAA TAAACTTAGA  
151 TTACTTTAAA GATCTACTGT CAGTTAACCC TCCACATATT TTTTTTAATA  
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ug509

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ug510

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151 ATGATGACGA GACGTAATTG GTGAAGGAAC CTACCAA

ug511

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ug514

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ug516

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ug517

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ug518

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ug519

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ug520

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201 ACAATGTGTC ACAGGAATGG AAAGAATGTG CCCTGAGCCC ACCTCCCCAC  
251 CCCACCCCAA AAAACCCCAT AAAACCAAAA ATCAAATAAA TGAATAAACCA  
301 CACACACACA CAC

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ug521

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ug522

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ug523

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351 CGTACYCCCTC GCAATAGATT TCC

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ug524

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ug525

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451 TTAGGGCGTT TCTTCCATG TTTGGCTGTT GGKTTAGTT TTGGTGAGCC

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ugs001

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ugs003

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201 c

ugs006

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ugs007

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ugs008

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ugs010

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ugs011

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ugs012

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ugs013

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ugs014

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ugs015

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151 cgccgg

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ugs016

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ugs017

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ugs018

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ugs019

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### ugs020

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### ugs021

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### ugs022

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### ugs023

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220/472

ugs024

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ugs025

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ugs026

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ugs027

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ugs028

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ugs029

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ugs030

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ugs032

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ugs033

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ugs034

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ugs035

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ugs036

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ugs038

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ugs039

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ugs040

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ugs041

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224/472

ugs042

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ugs045

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226/472

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ugs068

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ugs074

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ugs084

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ugs088

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uqs090

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ugs092

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233/472

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ugs100

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ugs104

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ugs108

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ugs113

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ugs117

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ugs121

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ugs122

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51 gacattagcc ctaaagacgg agagcacaca agagcaagct ctagacggcg  
101 tnnngccag gtcggaaatg agcccagcag ttccctcggt taggaaccca  
151 acccctgggt tagcagccac cttcacagat tcgaacgagt ggttccagac  
201 tataaaccaa ttccacaggt aagataagta

ugs123

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51 tcccttccta ttctaggacg tagagtcaga ctctgccaag cagttctgc  
101 tggcagagtc agactctgcc aagcagttct tgctggcagc agaggctatt  
151 gatgacatac ctttggaat cacgtccaac agtggtgtgt tctccaagta  
201 ccagctggac aagatgggtg ctcttaagaa ggtgagtgcc ctnnctgtgc  
251 cagggaggc

ugs125

1 cacaacgg ttttgcctt tccttgta aatttcttac ctttcctac  
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101 gtgagccatt attaagtaaa ttaaaggta ttgaatgca agcatgaata  
151 gcactgtagt ccatctgaca accaaaccag cagatcaacg tctgagtgtat  
201 ccatgggtgg acccctacag cgtgaagcag ggatagctta tacaag

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ugs126

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101 acatgggggg caaaggacag cttgccgaag ttggttctct cctcctacca  
151 cgtgggtcca gggattgaac tcaggtcaat caggcttgct gagaaggata  
201 ctccatagcc aggctagact caacttcgat ctt

ugs127

1 ccgtaaacctt agtaacctac gtgactttgg aaagtctgca cccagataac  
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151 tcagtggca aaggacttg ccaccaatct aataaccgag ttcttcagac  
201 tcagtagtgg aaggagagac ctgacgcctc attgt

ugs128

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ugs129

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51 tagacattaa tttcatctt catgtacatt atgaatacag agaaacaact  
101 catctatccc caatggtcac atgccatacc aattgtgtaa atgttctgaa  
151 aaatattatt tacagtgtta atatttcaca atggaggcaa ggattgttg

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ugs131

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51 aaagttcct gccagcccc ggtccccac agtgacactc gtaactggca  
101 gaagttaaa cttgaatggt gaattaaaat gaatcactta gtaggtgaa  
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ugs133

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ugs134

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ugs135

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242/472

ugs136

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ugs137

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ugs138

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ugs139

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151 ccagagggct ctcacctgca gccccca

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ugs140

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101 acattatttt CCTCGTCCTG TGAGATGATG TTTGCTTC CTACCTCAGC  
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201 gacgatGACG ATGACGATGA ATCATCAGAA GACTCTGAGG ATAGAGG

ugs142

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101 tggcggagaa gaggcccaag aacttcggca ttggacagga catccagccc  
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ugs143

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ugs144

1 gcgaatctaa atacaagtga ggagagggga aaaaaaaaaa tgaaacaaaa  
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101 taggatggaa cctccaggag ggactcttgg ctcaagttcg tccctctcg  
151 aaacacttca gtgtgaacc

244/472

ugs145

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101 taataagaat gtaattcat gatacaagta ttaatatct ttttaagtg  
151 agtaaaaata ttctagctat tggcaaata tagattacatg acaatttagag  
201 gatatgatga gggtgactct tc

ugs146

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ugs147

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ugs148

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201 tac

245/472

ugs149

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ugs150

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201 tt

ugs151

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201 aattttcc

ugs152

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151 tggcagggta ctctatgaac cqac
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ugs153

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151 tggagcaact gaagaagaaa ttcaagaaat tgcttaaaat ct

ugs156

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201 ttgttaggg

ugs157

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ugs159

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101 ctgagactca gcccttggaa acaaagaatt tggaaactt agggctaagt  
151 cgcttttttc ctccctttt

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ugs160

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ugs161

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ugs163

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201 aaatactact tatttaaata attaaggaag agagaatgct taa

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ugs164

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ugs165

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ugs167

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ugs168

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ugs172

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ugs173

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ugs174

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ugs175

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ugs177

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250/472

ugs178

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ugs179

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ugs180

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ugs181

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ugs182

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ugs183

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ugs184

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151 gtatgtatct ttacccctt

ugs186

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151 ctggaacggc aagaggg

252/472

ugs187

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251 aaggatgagt caacatct

ugs188

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ugs190

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ugs191

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201 agt

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ugs192

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ugs193

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ugs194

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ugs195

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251 attgatgata tgcc

254/472

ugs196

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ugs198

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ugs199

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255/472

ugs200

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51 agctgtatgc acatgactag tctacaagtt atgagtcaca atcagacgaa  
101 acgtgactta gacttctcac acatcactgc cccagtggtg taagagcagg  
151 cacccaaaca ctgaccgctc catttcaggc accagcagtg tatctggcac  
201 aaatgataga gtgattggc ttagtactat acttgtacca agtagctatg  
251 gtaccagtgc agtagactta gctgaca

ugs201

1 tctttatcac tgataagttg gtggacatat tatgtttatc agtgataaaag  
51 tgtcaagcat gacaaagttg cagccgaata gcagctgacc cgtgccagcc  
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ugs202

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ugs203

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51 ccgtcgcccc cgacggagga ccatggcgaa ggtggaacag gtctgagcct  
101 cgagccacaa cacgagctca agttccgagg tccttcactg atgttgtcac  
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256/472

ugs204

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51 ttatctcatg gagtgaagag tttataaata ctcactgaaa gcacacttac  
101 tcccaagctt taactcctga ataaagctct ggtgaacatc tgtatacagg  
151 cattagtact aaatgtcaga acacttctca tt

ugs205

1 cagaaaaaaa atagcctcc cgTTTGTCA gagattaccc gtccactatt  
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ugs206

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101 actgaggcag agccaagact ctgaagagc caaaacacga gacaaaaaag  
151 ctaaagactc tgtcagaata

ugs208

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51 aaggagccaa agggcatcca acagatagtg agggagaagg gggccaggaa  
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257/472

ugs210.

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ugs211

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151 tgtcccccaa gtgttgagct tatggccaa gtttatgaaa tgctggaaat  
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ugs212

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ugs213

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ugs214

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ugs216

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ugs217

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ugs218

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ugs219

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201 gcggatgact c

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ugs221

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ugs223

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ugs225

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ugs226

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ugs227

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ugs228

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ugs229

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ugs231

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ugs232

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ugs233

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ugs234

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ugs235

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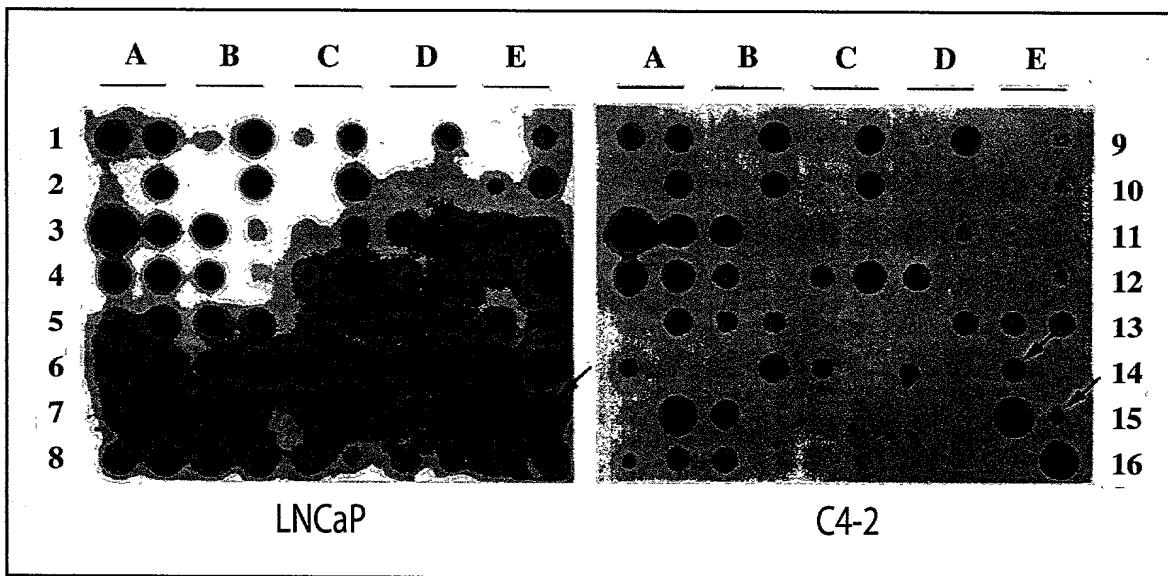
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151 aaagaagatg attctgtctc ctcaggaagt tt

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Horizontal Pools →									
↓ Vertical Pools	297	298	299	300	301	302	304	305	E16
	306	307	308	309	310	<u>311</u>	312	313	<u>E15</u>
	314	316	317	318	319	320	321	322	E14
	323	324	326	328	329	330	331	332	E13
	333	334	335	337	338	339	340	341	E12
	342	343	344	345	346	348	350	351	E11
	352	353	354	355	356	357	358	359	E10
	360	364	365	366	367	368	369	370	E9
	E1	E2	E3	E4	E5	<u>E6</u>	E7	E8	

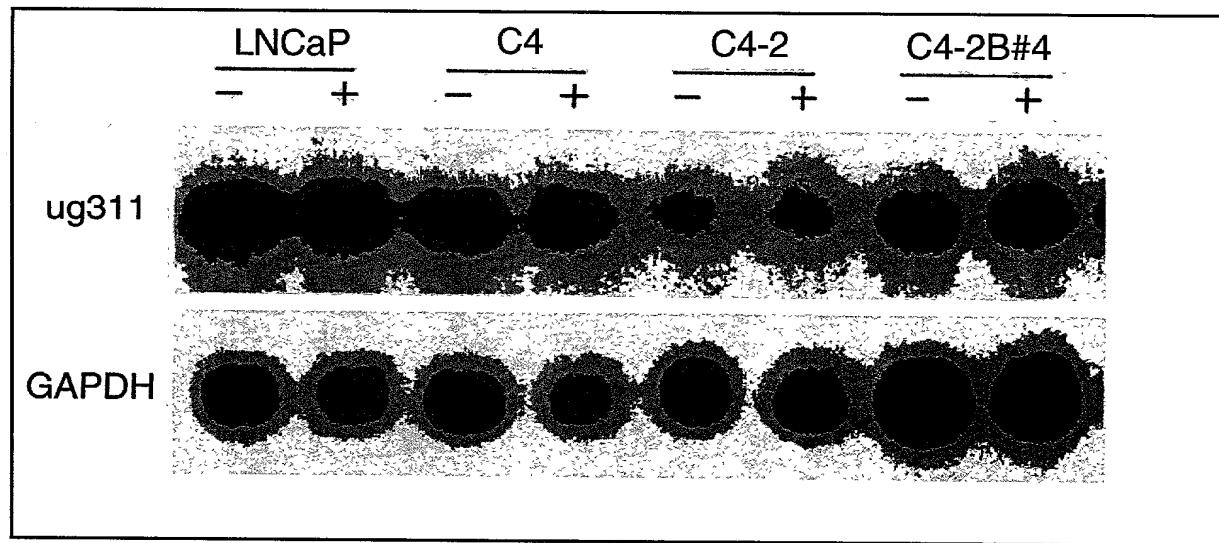
*Fig. 2*

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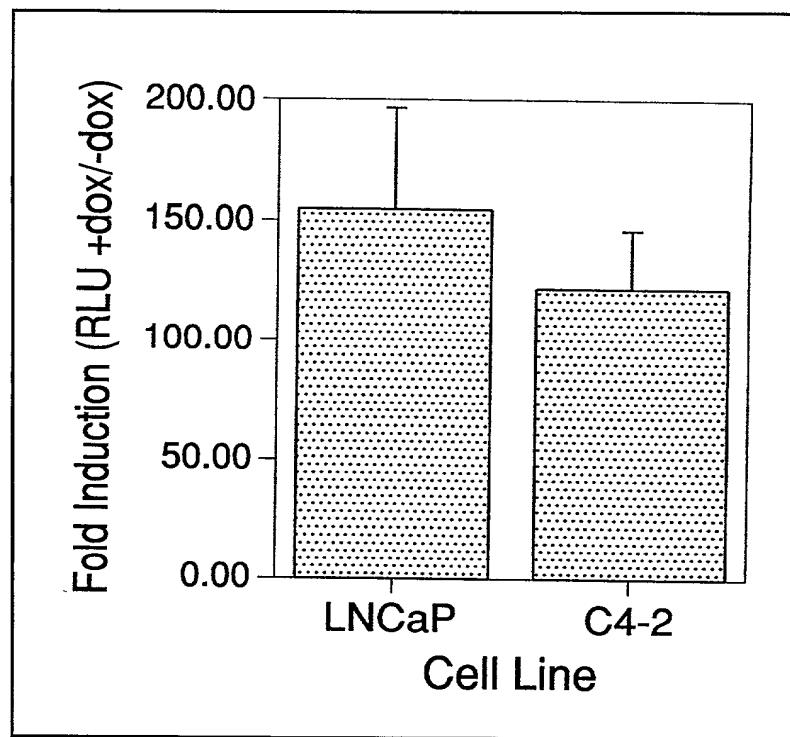
*Fig. 3*

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*Fig. 4*

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*Fig. 5*

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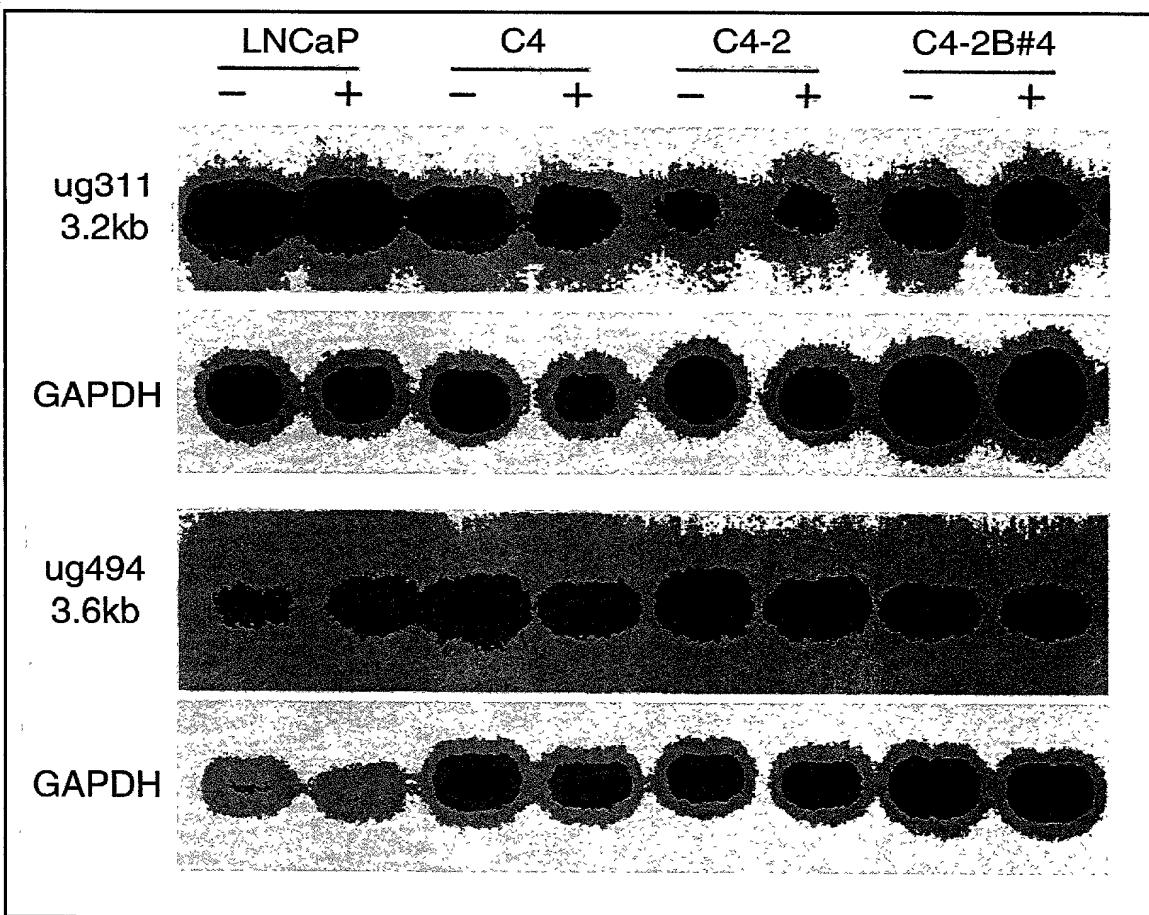


Fig. 6

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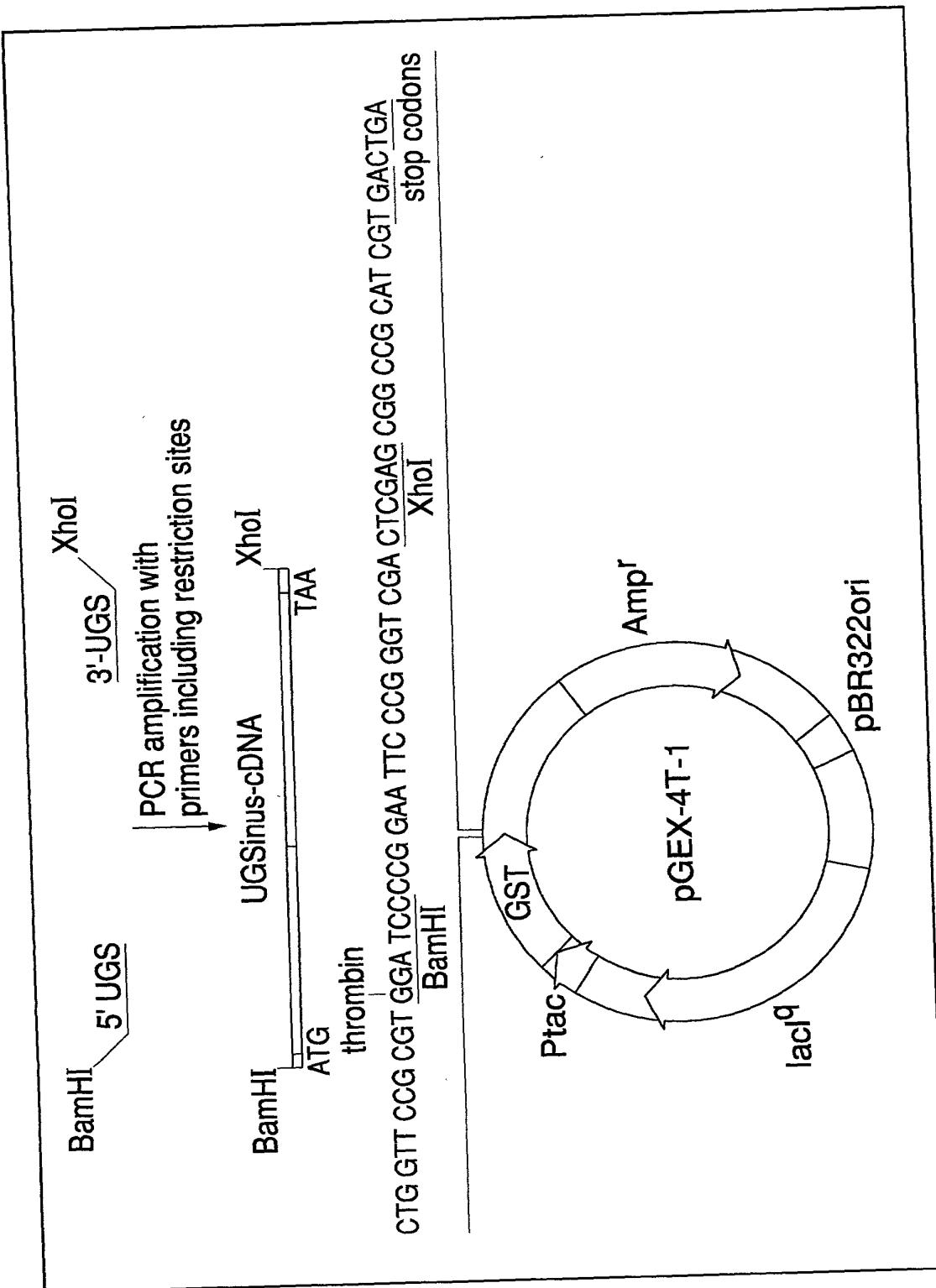
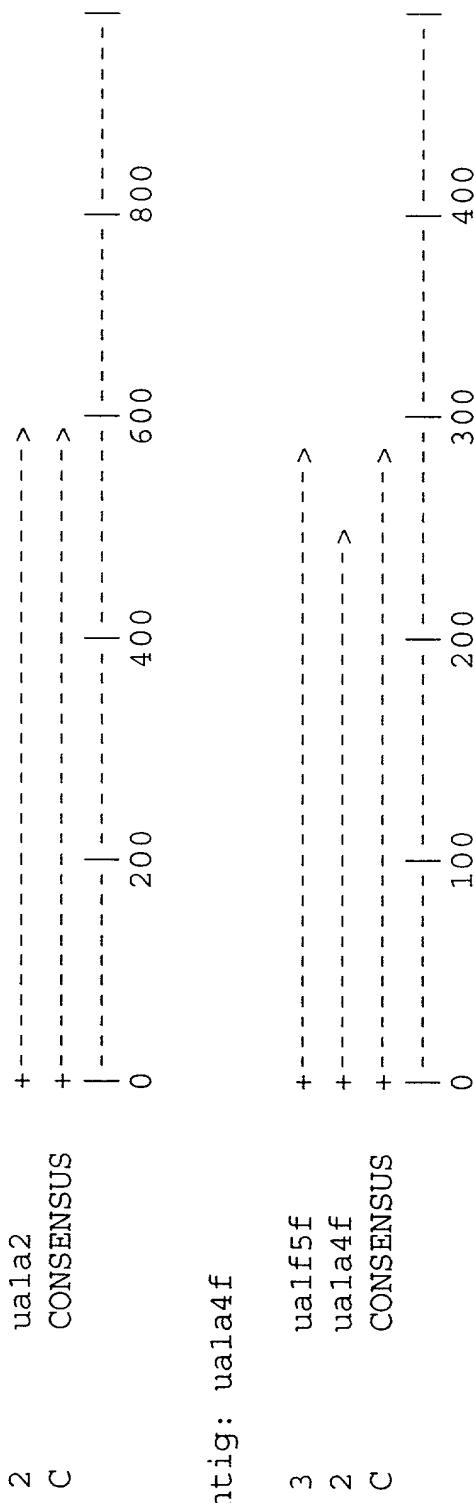


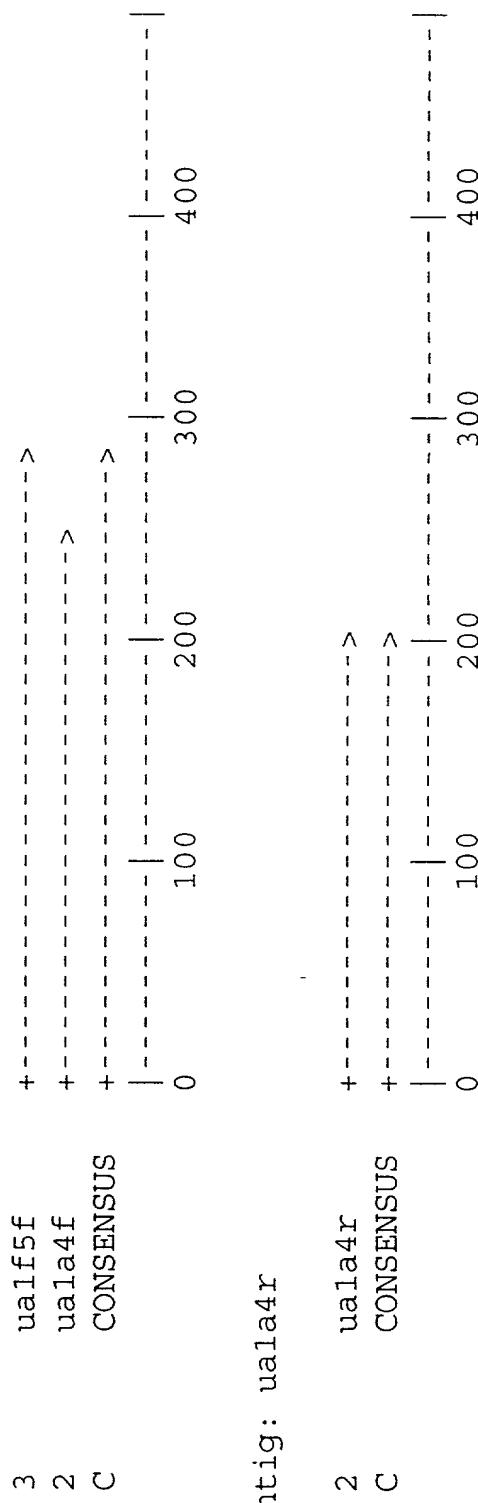
Fig. 7

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Contig: ualaa2



Contig: ualaa4f



Contig: ualaa4r

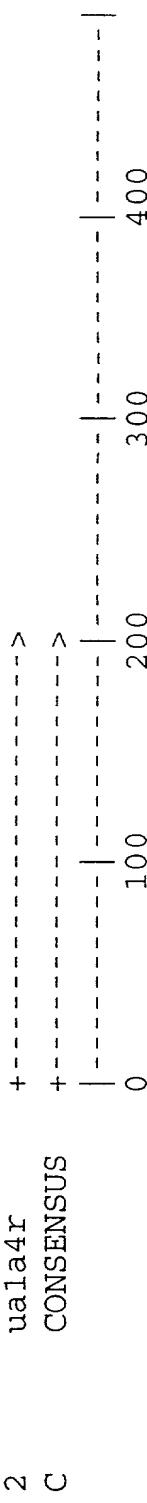


Fig. 8 - 1 of 180

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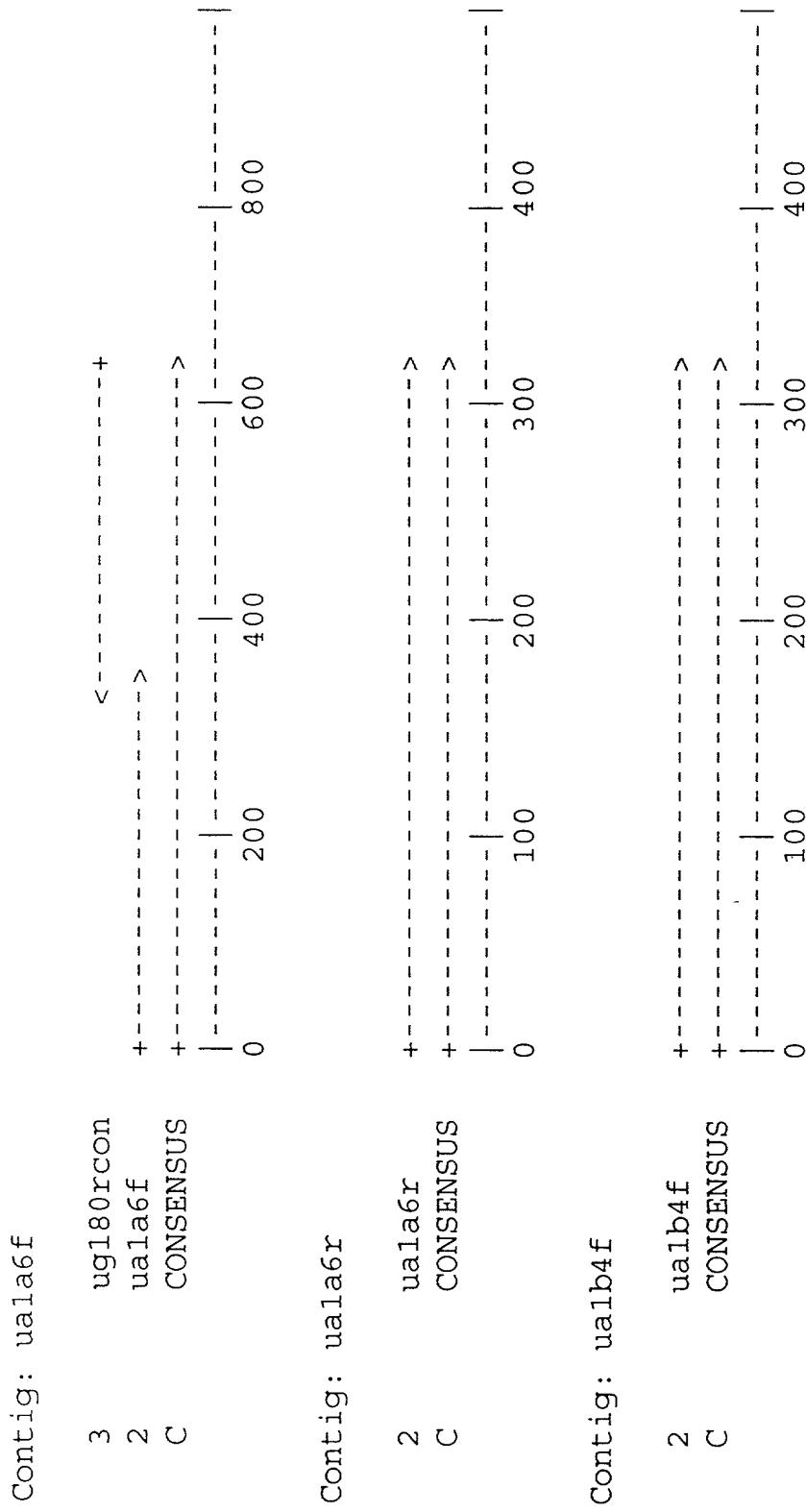


Fig. 8 - 2 of 180

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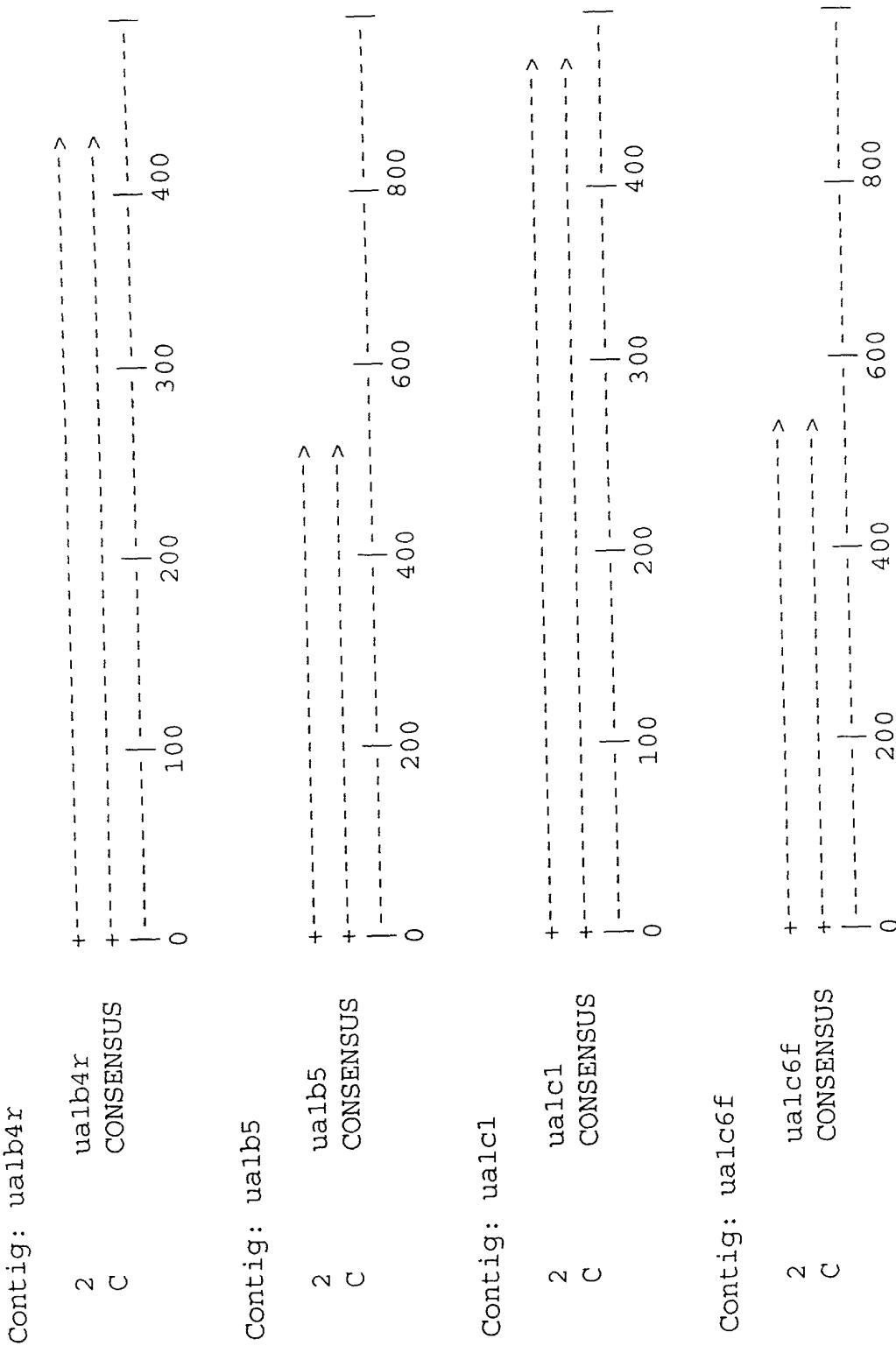


Fig. 8 - 3 of 180

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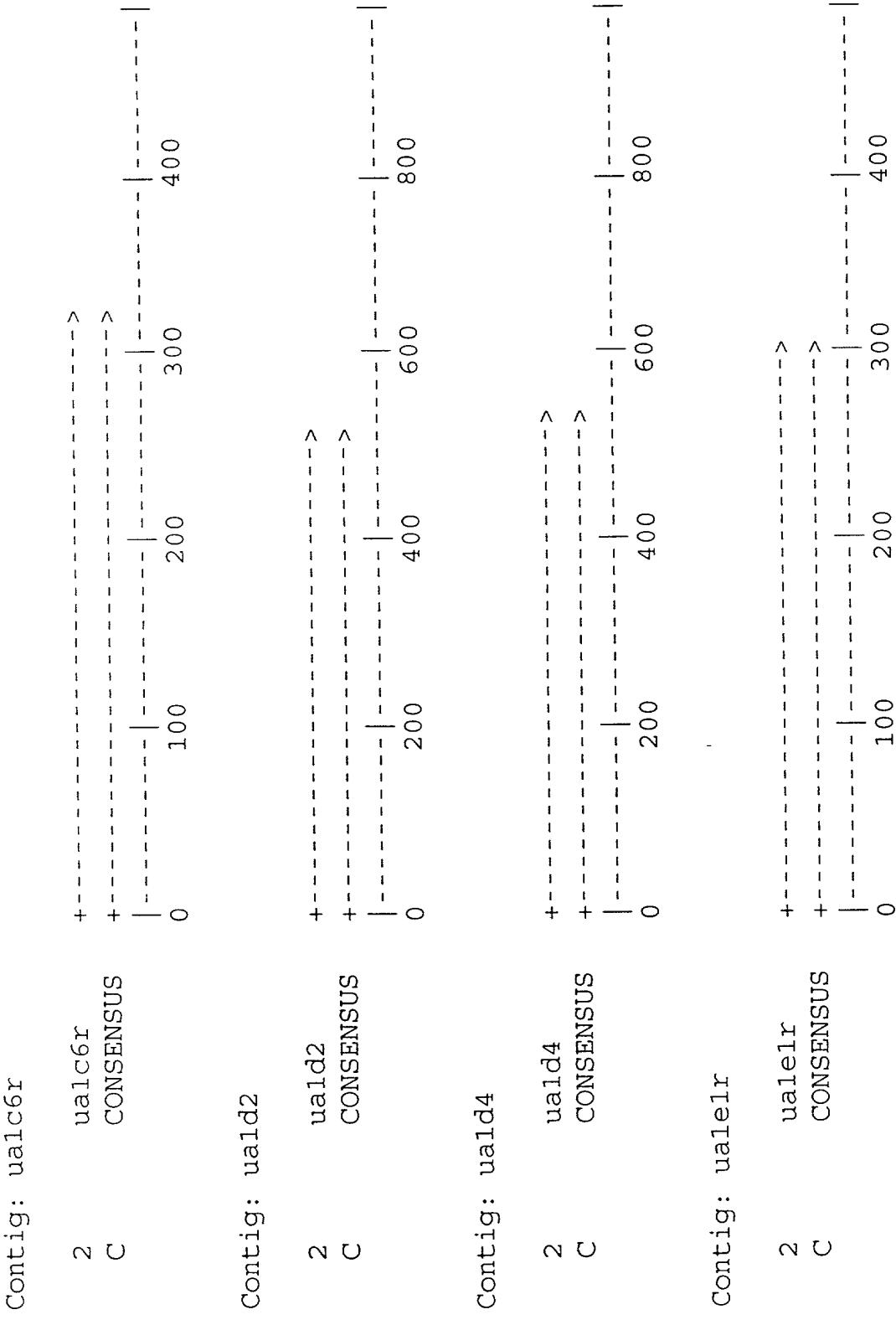
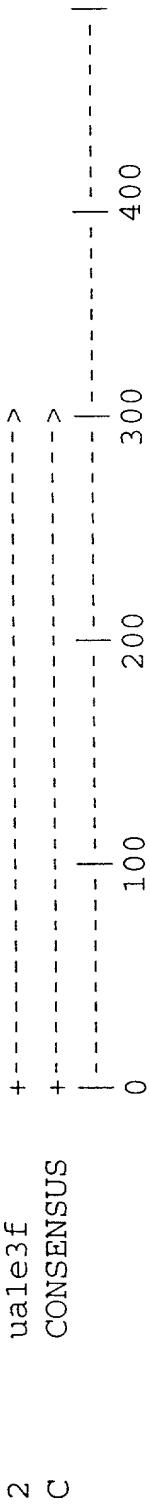


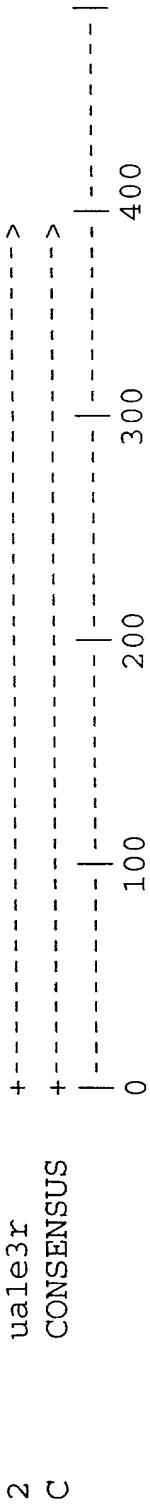
Fig. 8 - 4 of 180

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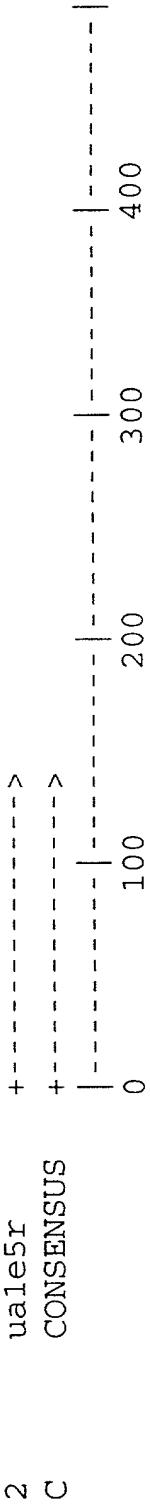
Contig: uale3f



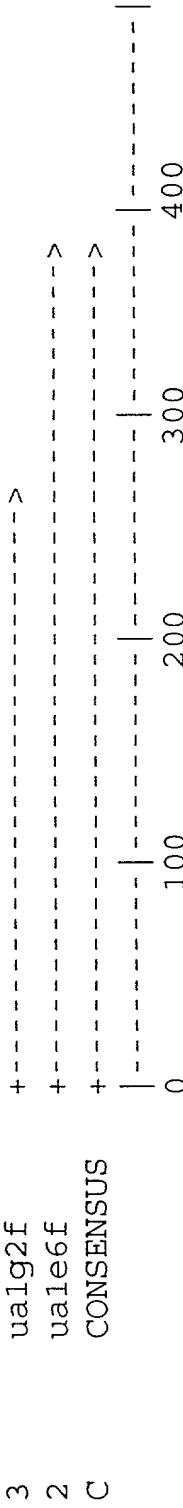
Contig: uale3r



Contig: uale5r



Contig: uale6f



*Fig. 8 - 5 of 180*

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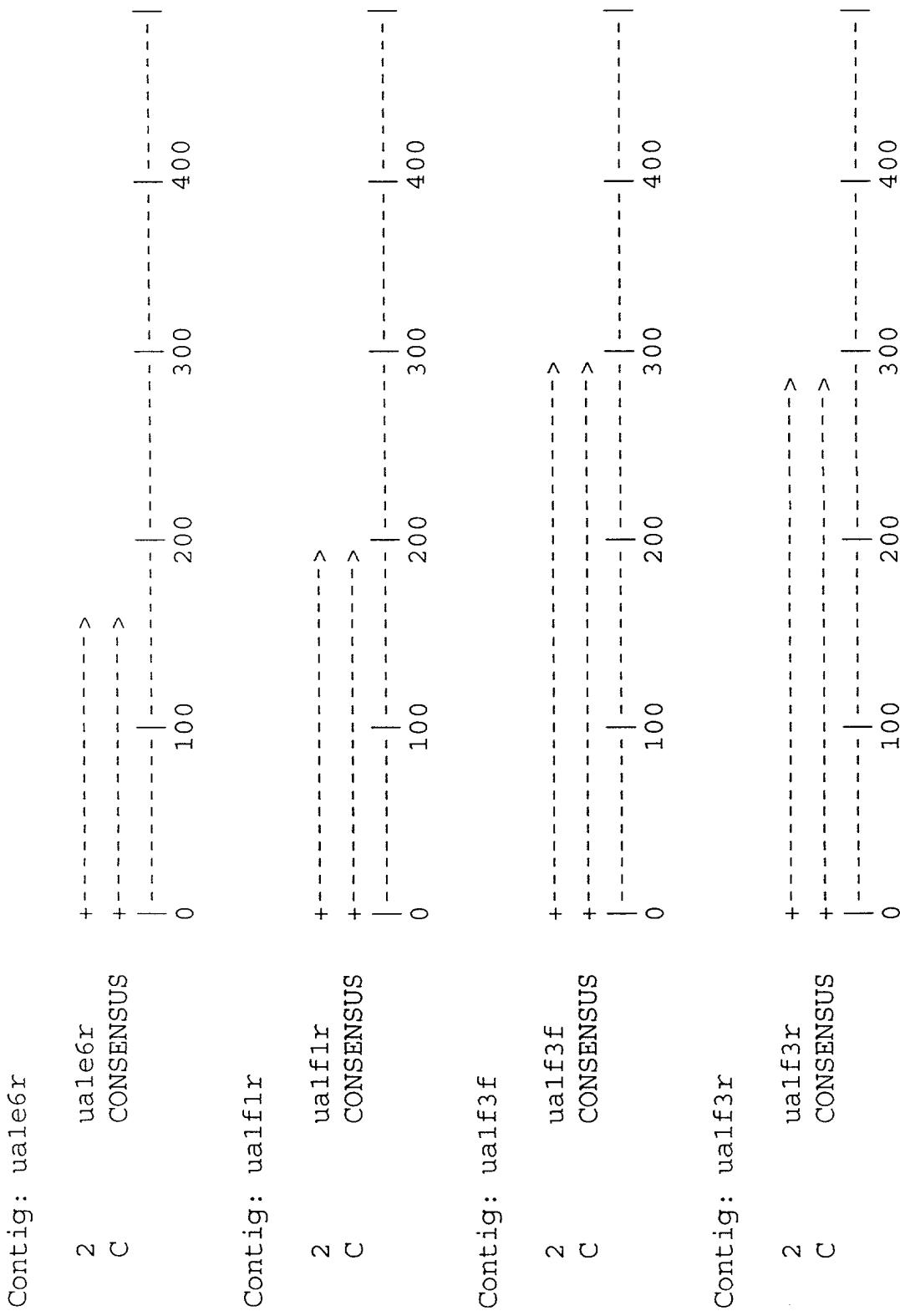
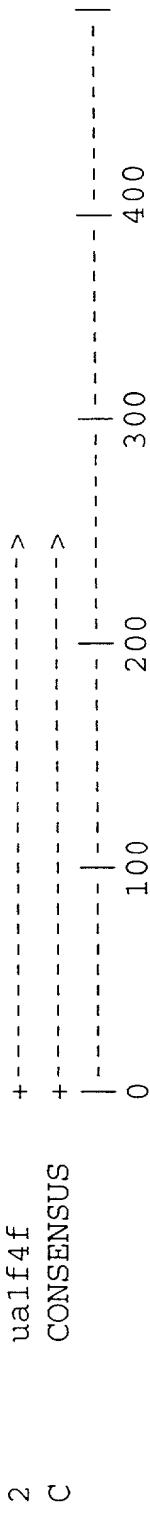


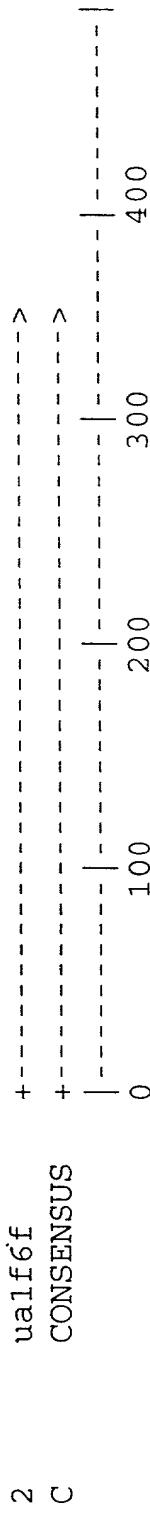
Fig. 8 - 6 of 180

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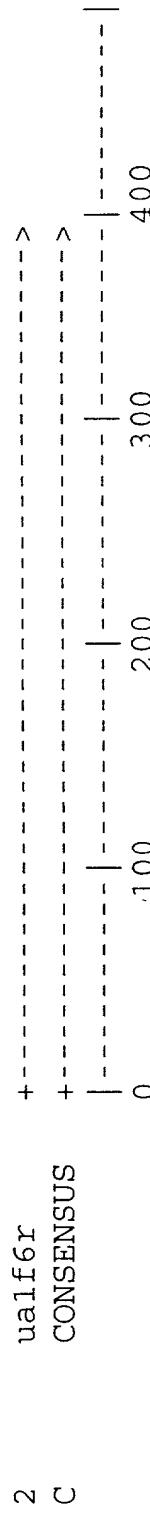
Contig: uaf4f



Contig: uaf6f



Contig: uaf6r



Contig: uaf94r

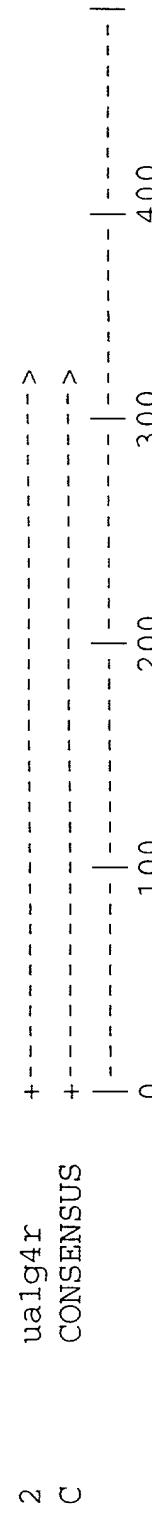
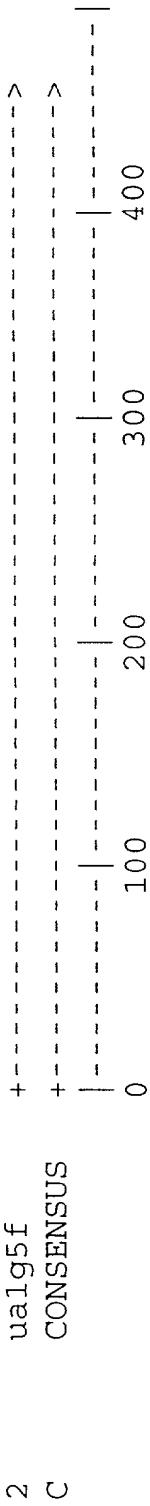


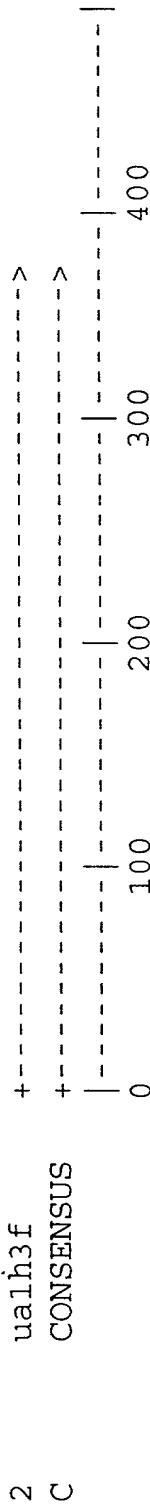
Fig. 8 - 7 of 180

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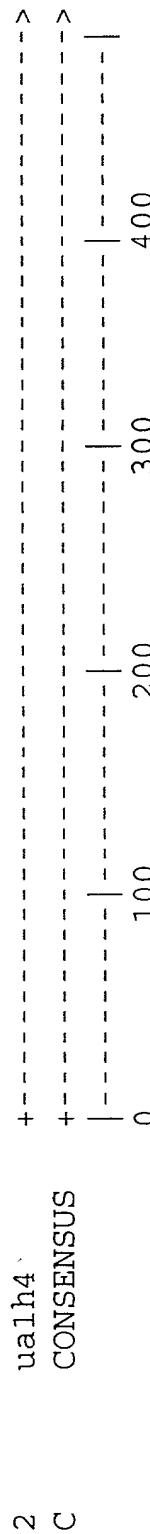
Contig: ua1g5f



Contig: ua1h3f



Contig: ua1h4



Contig: ua2h6r

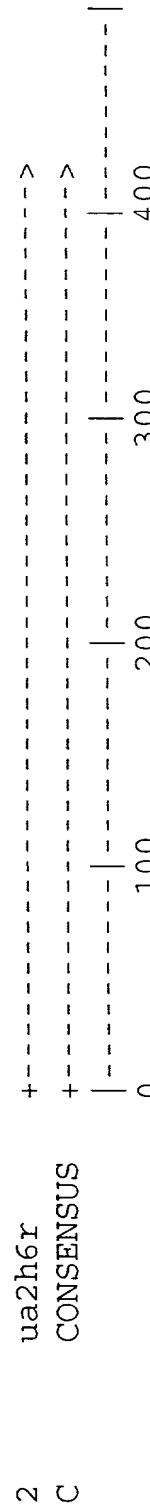


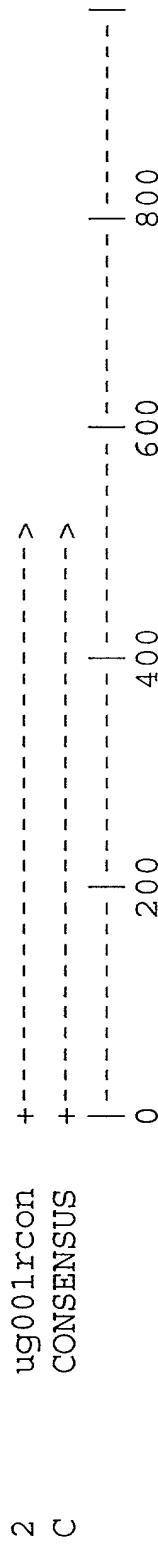
Fig. 8 - 8 of 180

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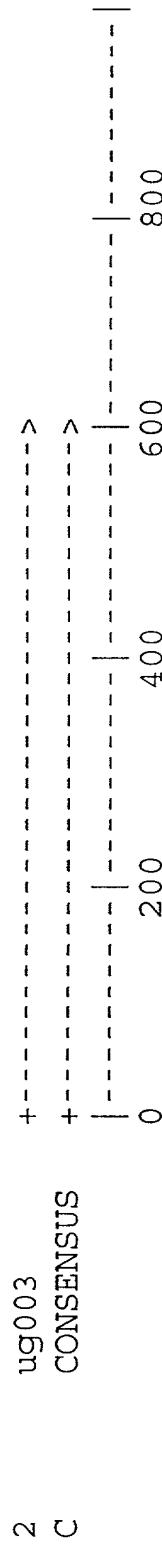
Contig: ua2h7r



Contig: ug001rcon



Contig: ug003



Contig: ug003meli

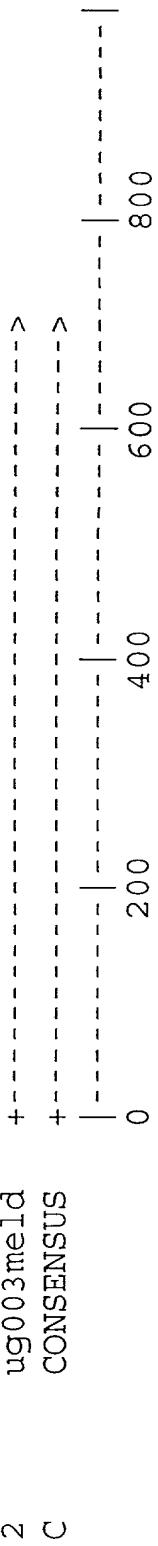
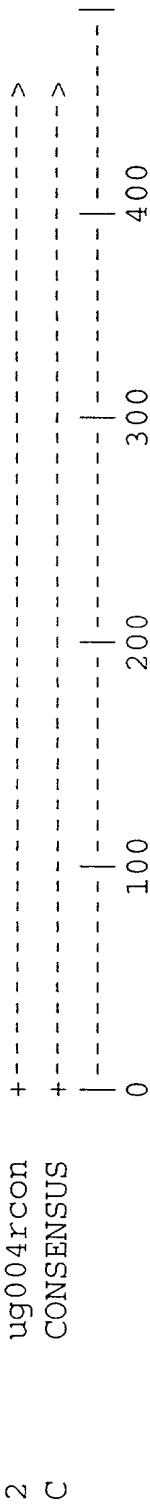


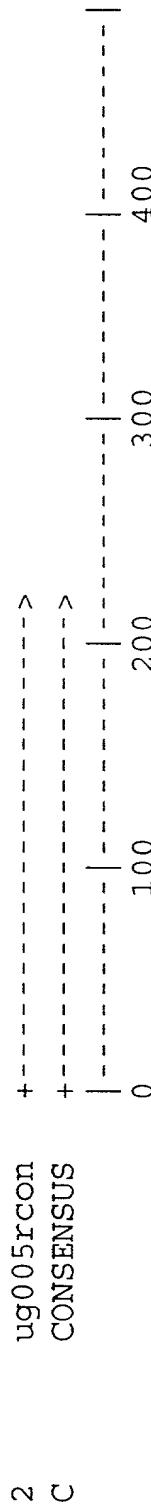
Fig. 8 - 9 of 180

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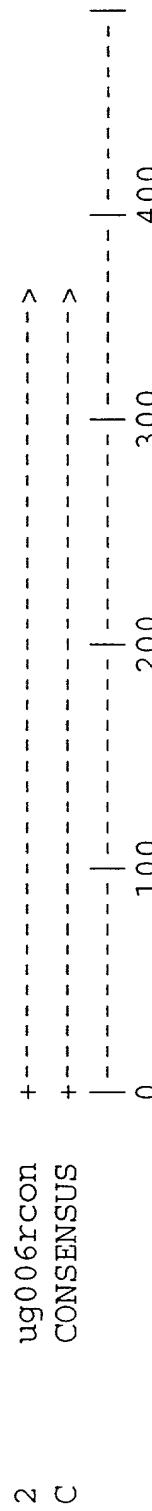
Contig: ug004rcon



Contig: ug005rcon



Contig: ug006rcon



Contig: ug006unsure

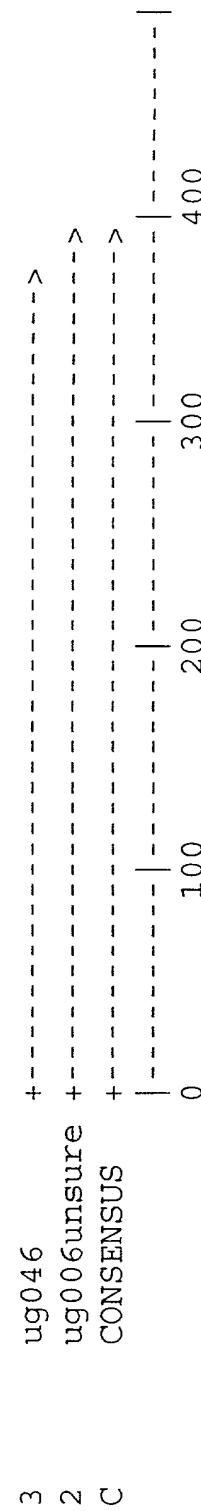
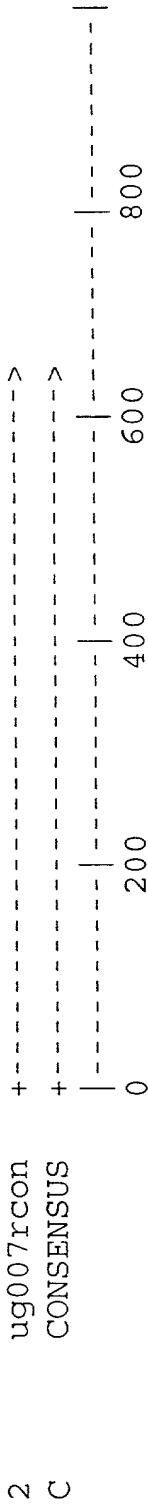


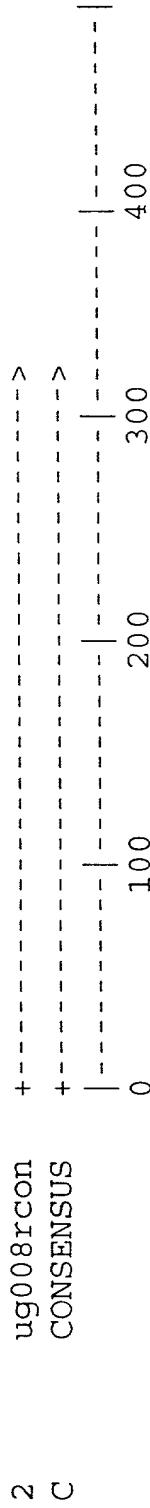
Fig. 8 - 10 of 180

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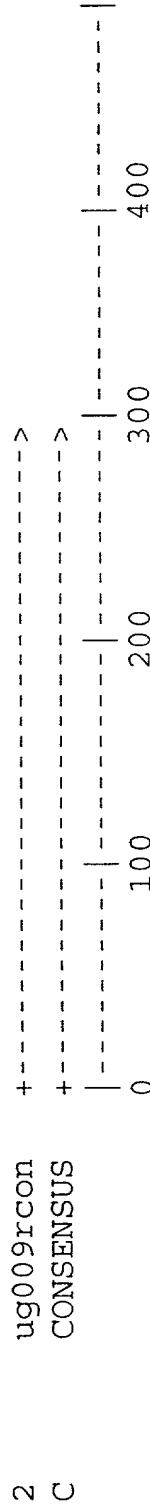
Contig: ug007rcon



Contig: ug008rcon



Contig: ug009rcon



Contig: ug010rcon

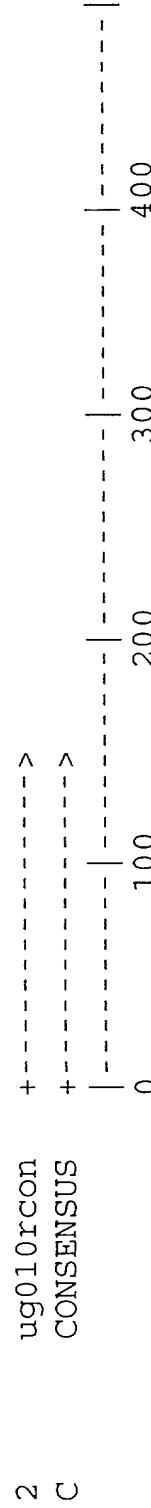
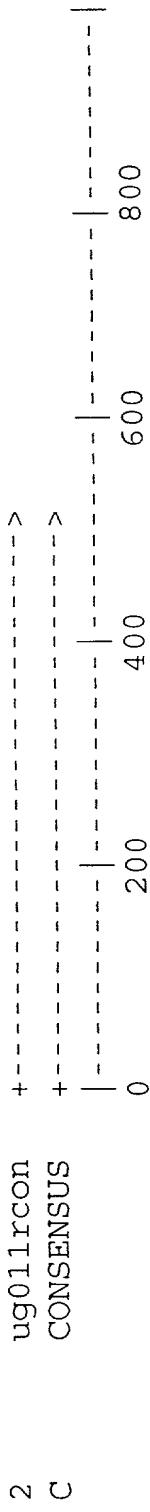


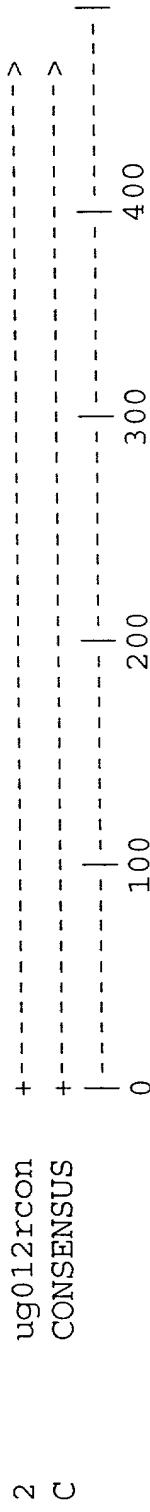
Fig. 8 - 11 of 180

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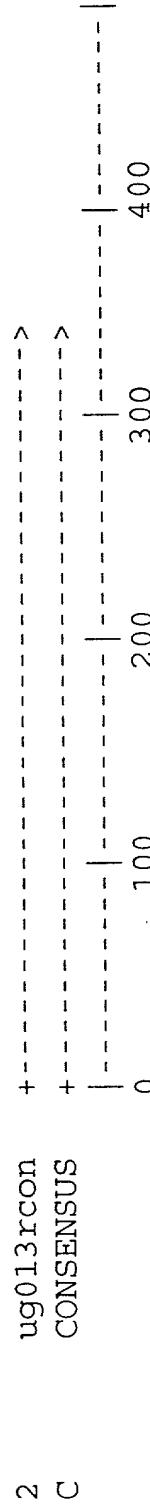
Contig: ug011rcon



Contig: ug012rcon



Contig: ug013rcon



Contig: ug014rcon

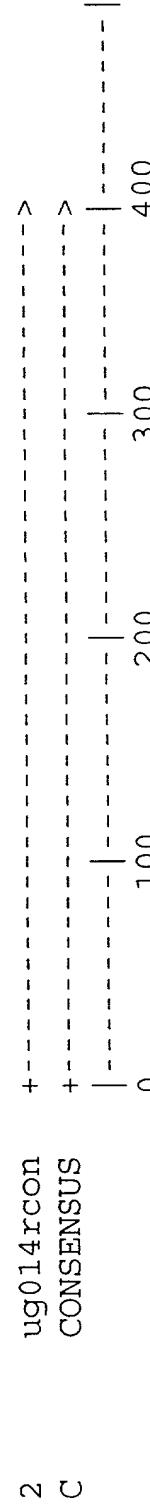
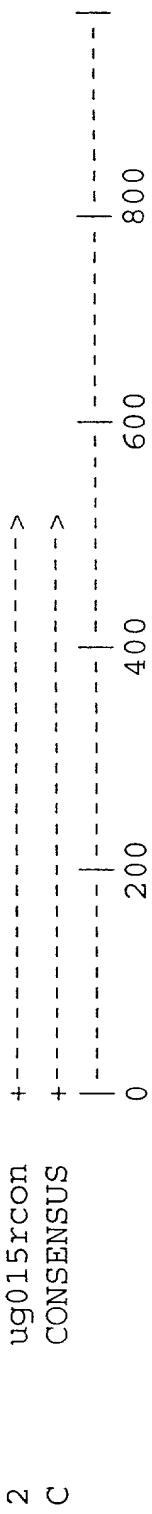


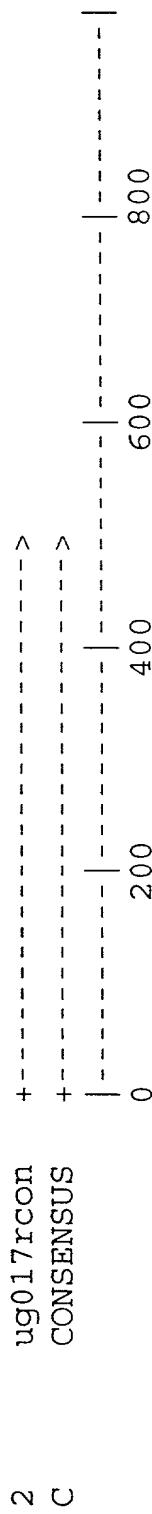
Fig. 8 - 12 of 180

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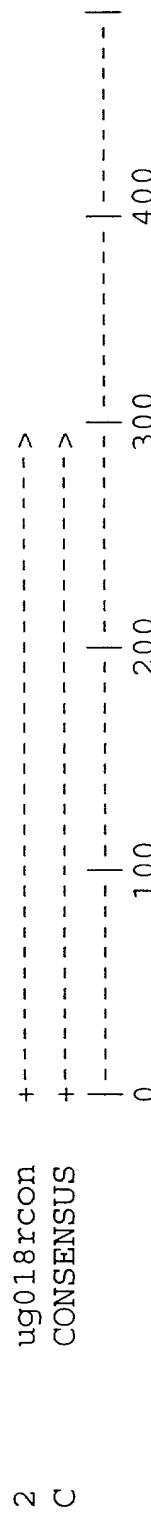
Contig: ug015rcon



Contig: ug017rcon



Contig: ug018rcon



Contig: ug019rcon

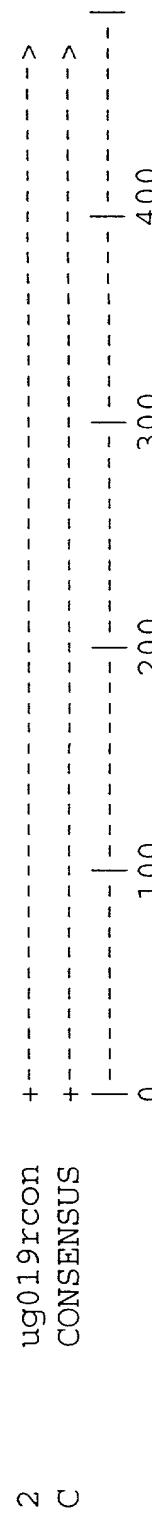
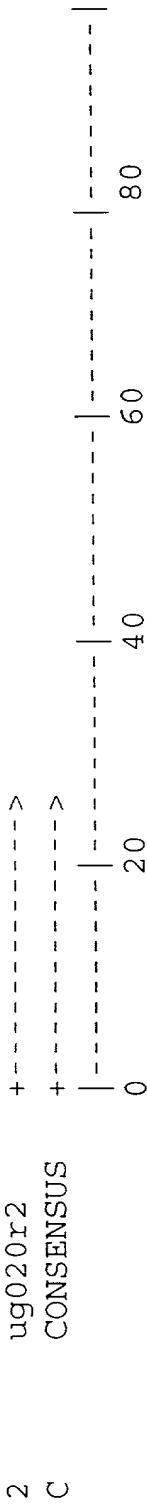


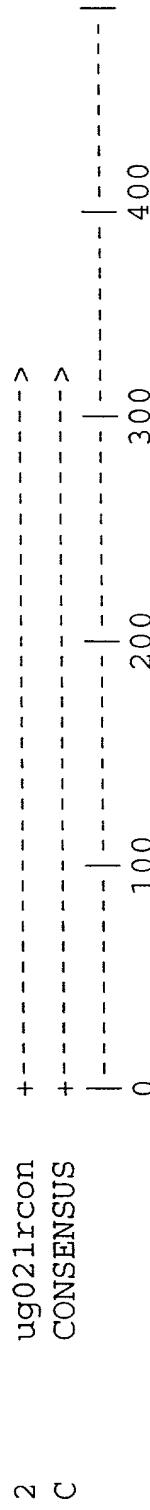
Fig. 8 - 13 of 180

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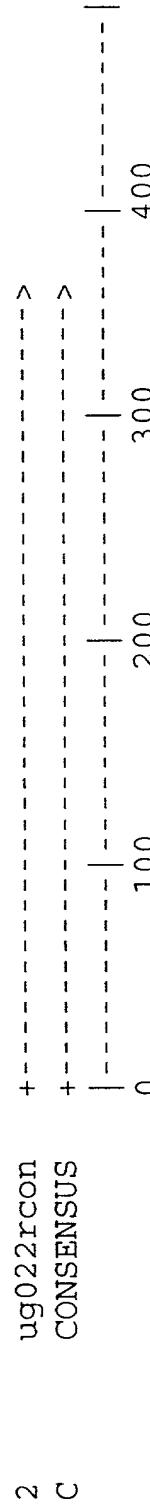
Contig: ug020r2



Contig: ug021rcon



Contig: ug022rcon



Contig: ug023rcon



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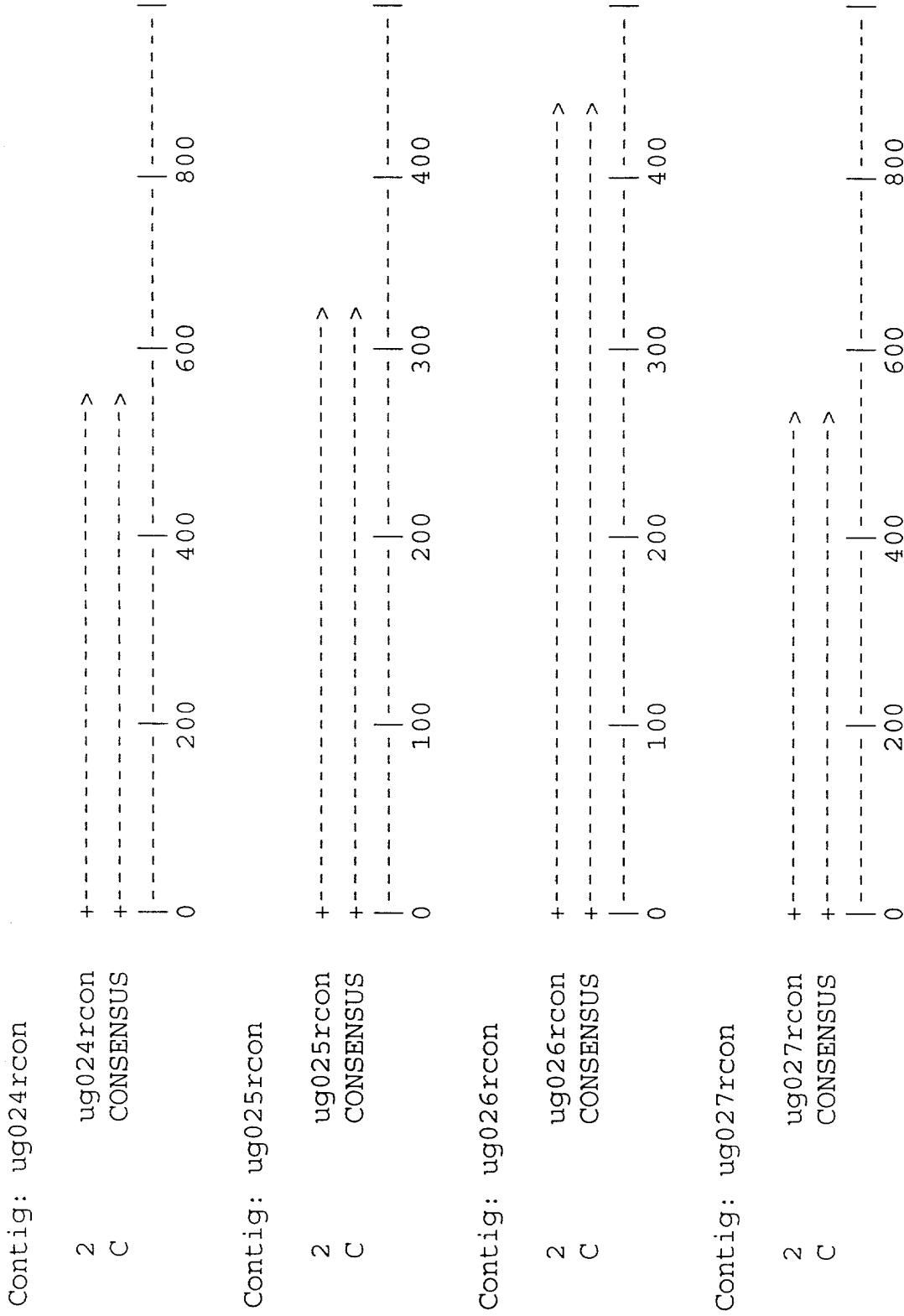
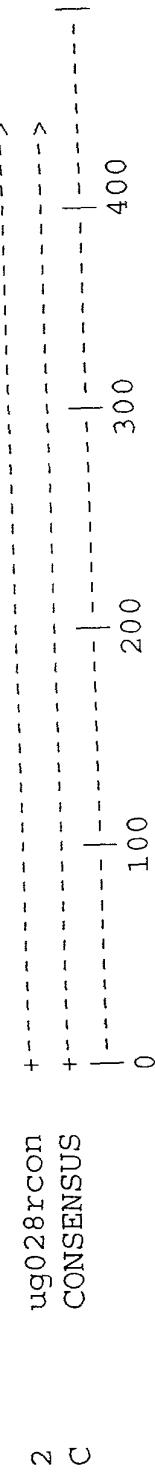


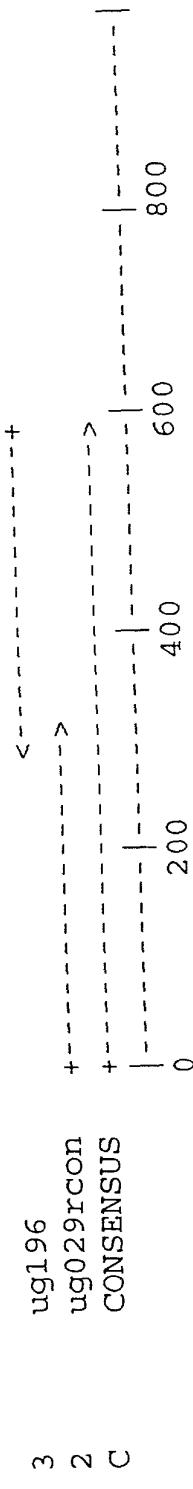
Fig. 8 - 15 of 180

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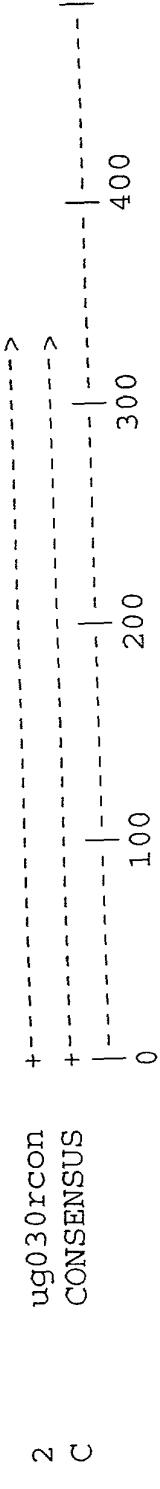
Contig: ug028rcon



Contig: ug029rcon



Contig: ug030rcon



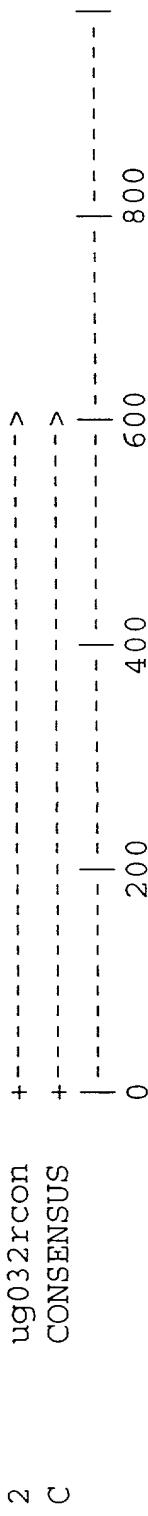
Contig: ug031rcon



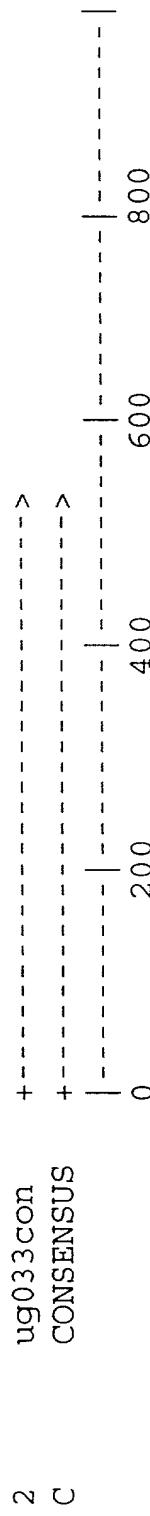
Fig. 8 - 16 of 180

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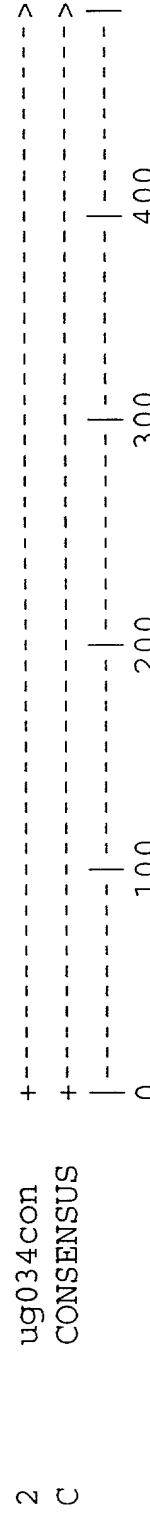
Contig: ug032rcon



Contig: ug033ccon



Contig: ug034ccon



Contig: ug035ccon



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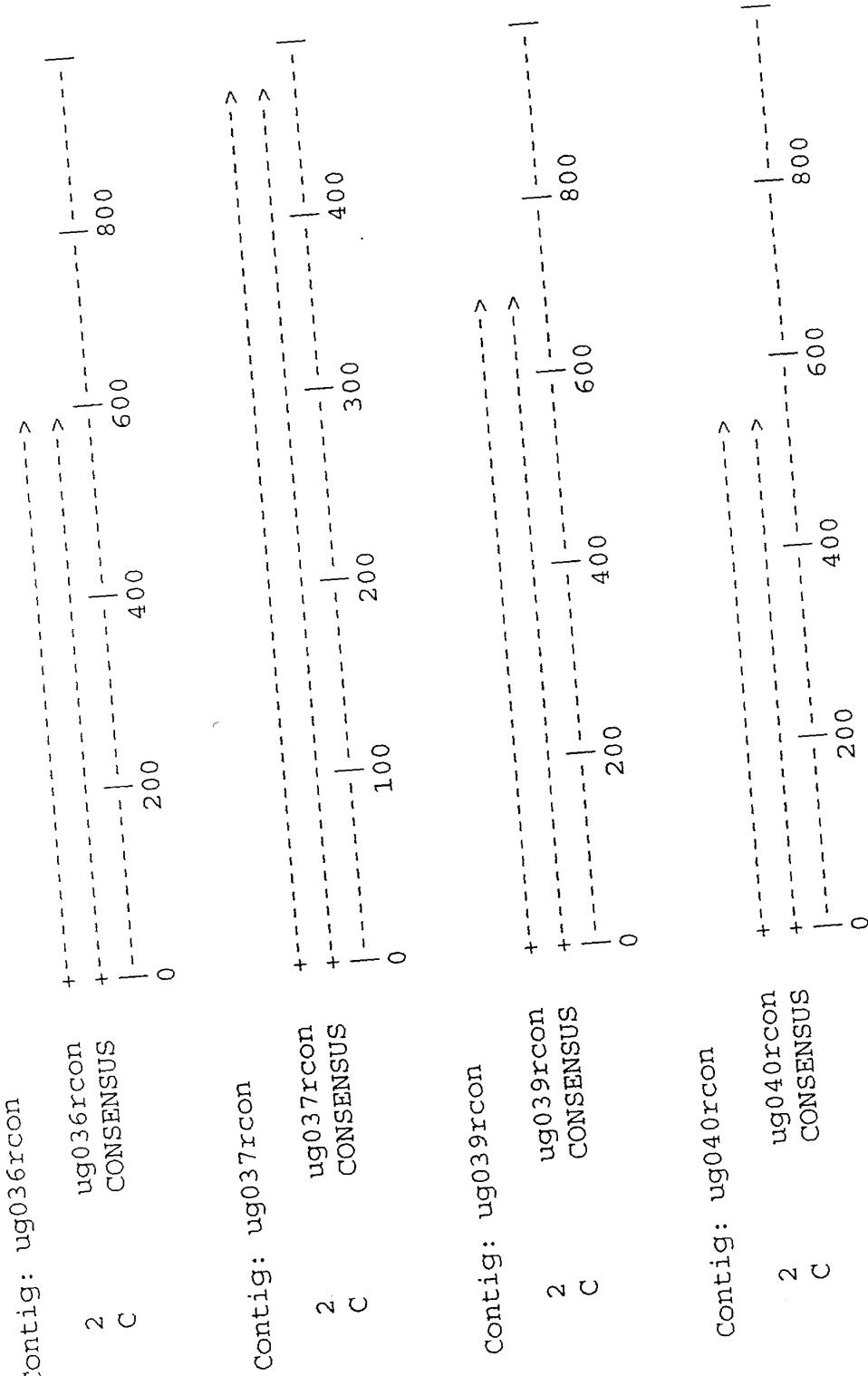
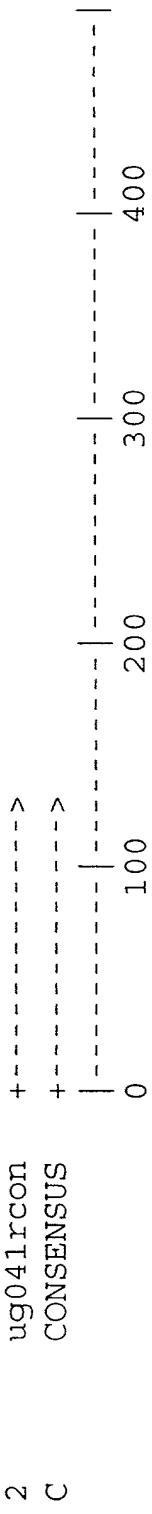


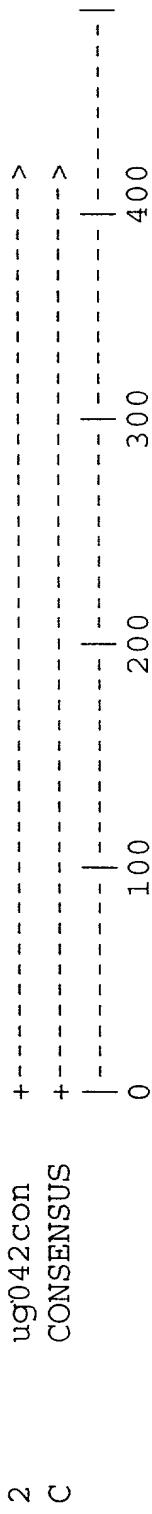
Fig. 8 - 18 of 180

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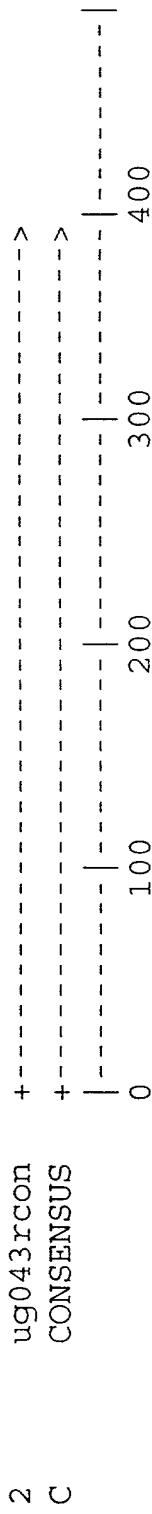
Contig: ug041rcon



Contig: ug042rcon



Contig: ug043rcon



Contig: ug044rcon

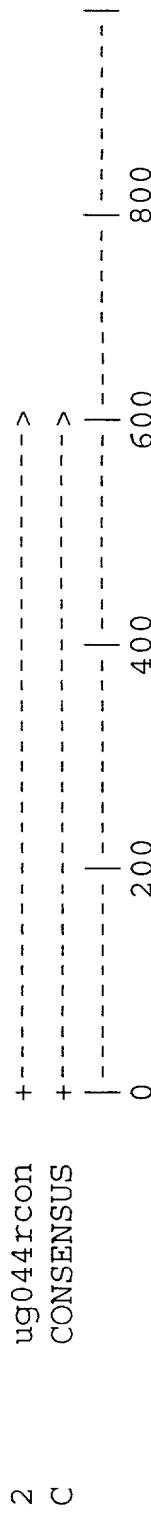
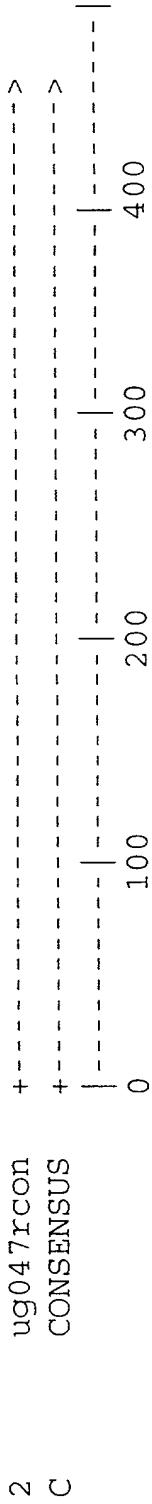


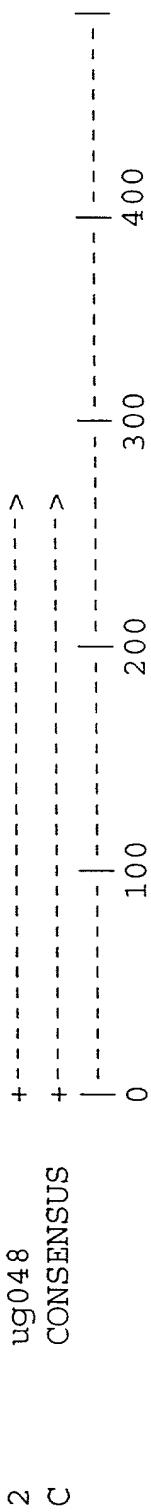
Fig. 8 - 19 of 180

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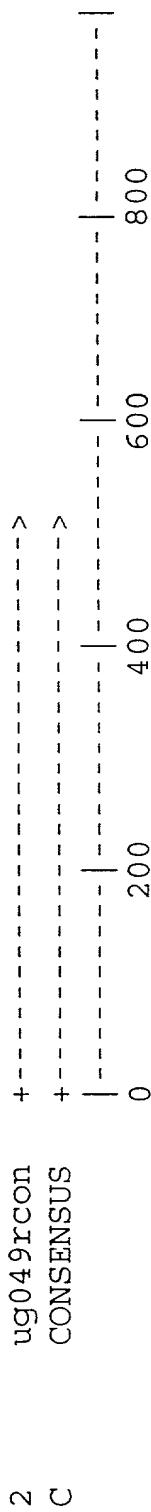
Contig: ug047rcon



Contig: ug048



Contig: ug049rcon



Contig: ug050rcon

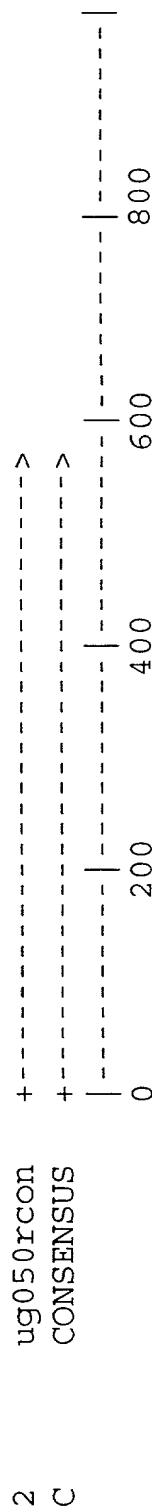
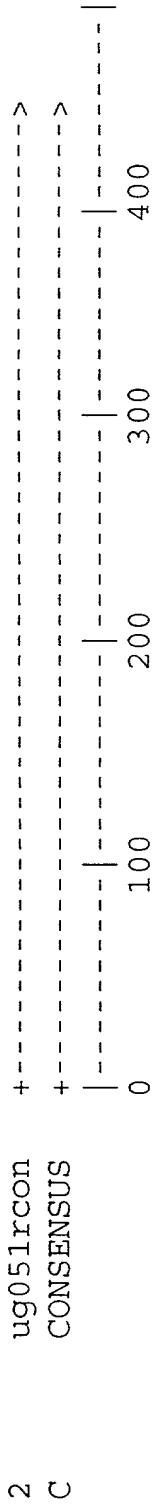


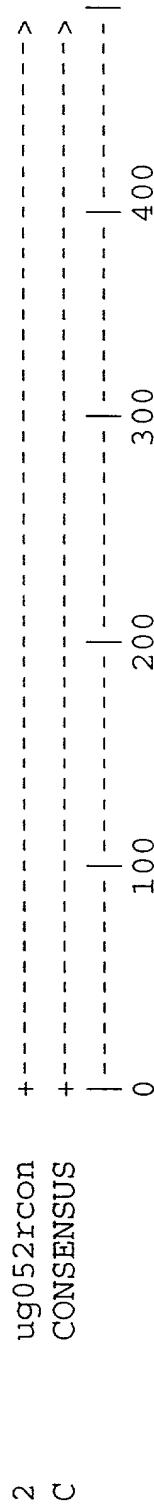
Fig. 8 - 20 of 180

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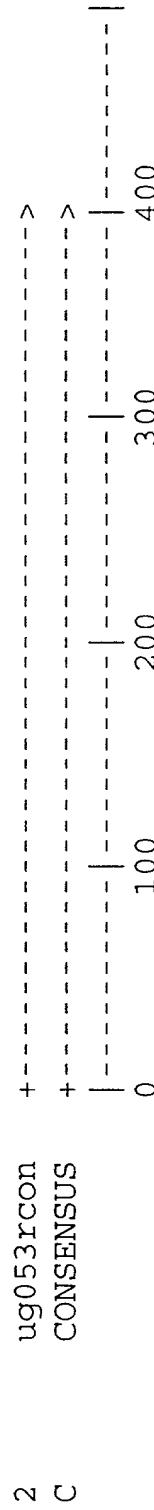
Contig: ug051rcon



Contig: ug052rcon



Contig: ug053rcon



Contig: ug054

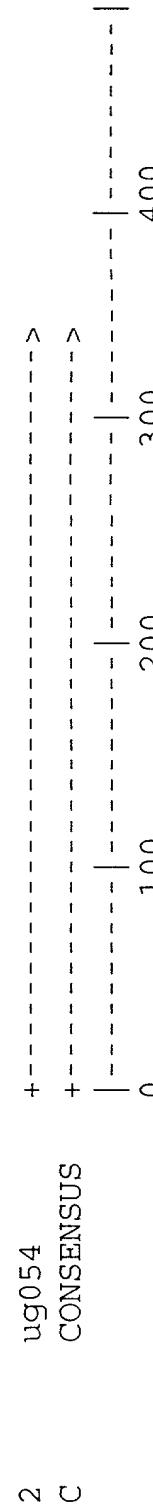
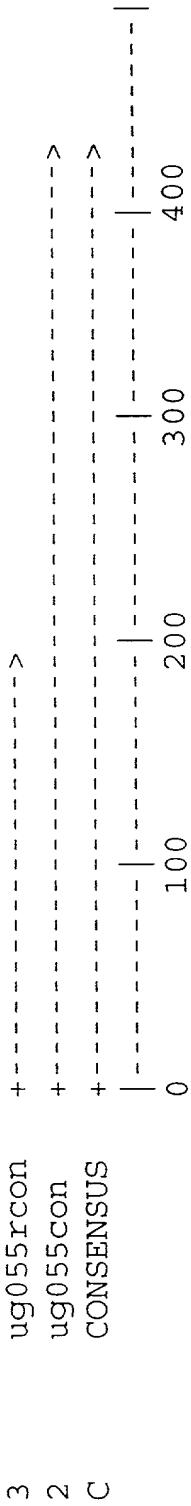


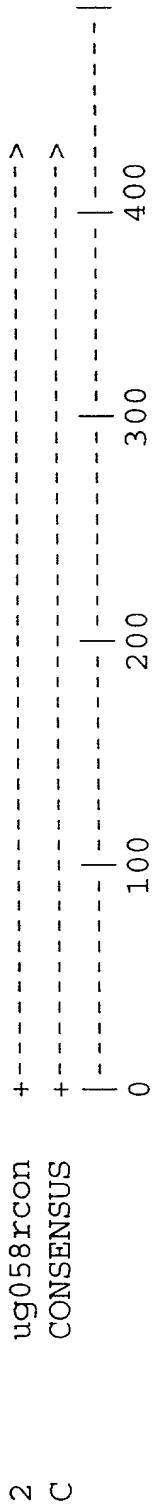
Fig. 8 - 21 of 180

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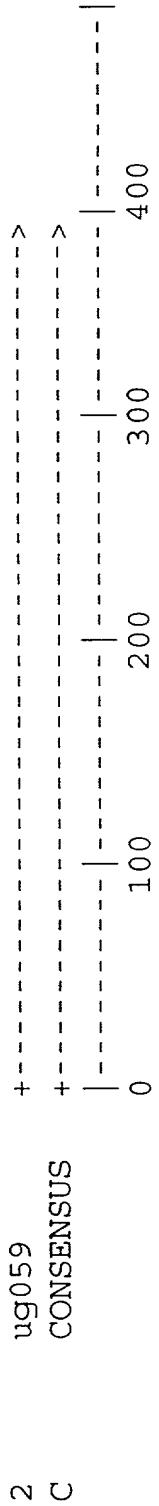
Contig: ug055rcon



Contig: ug058rcon



Contig: ug059



Contig: ug061rcon



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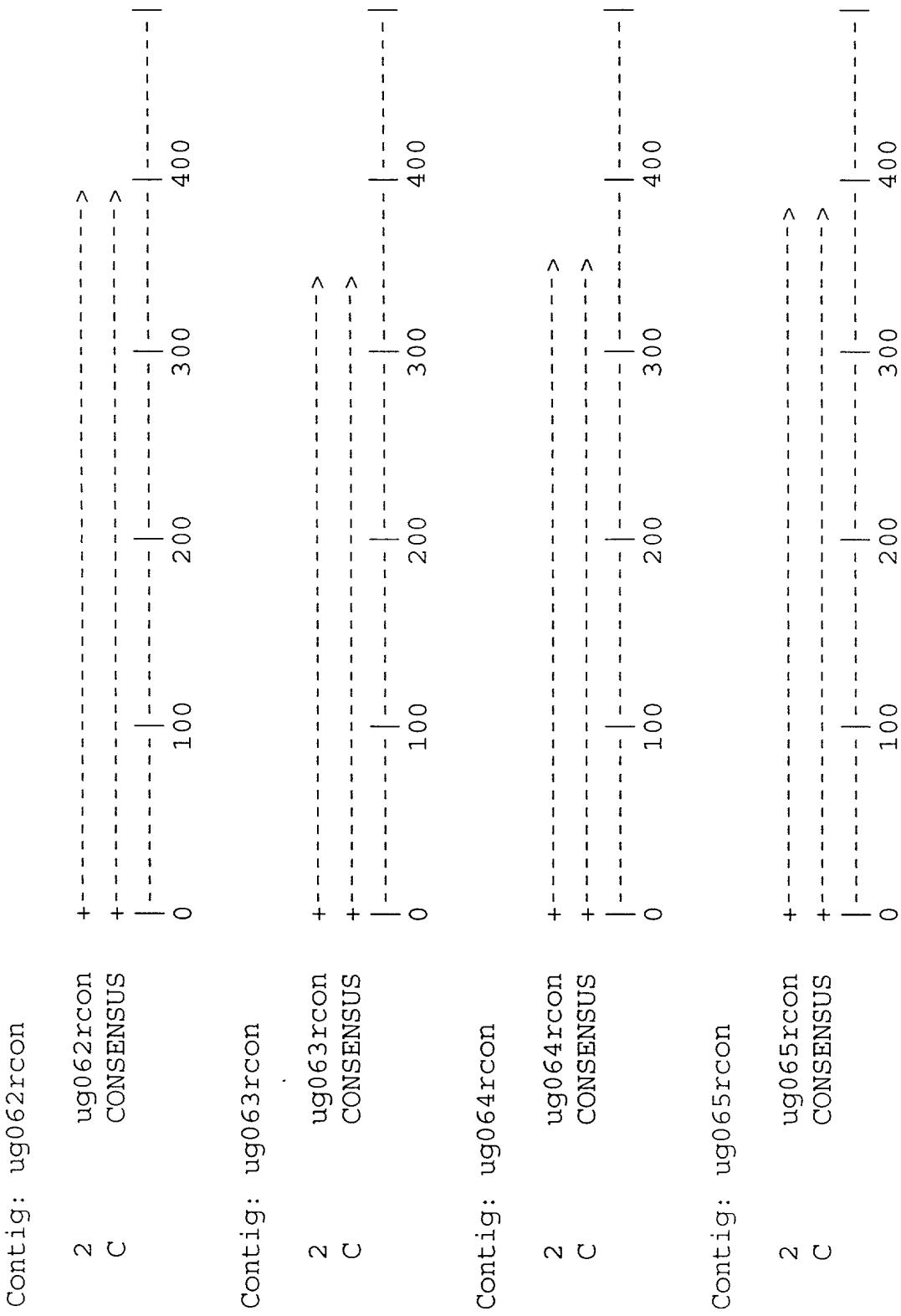
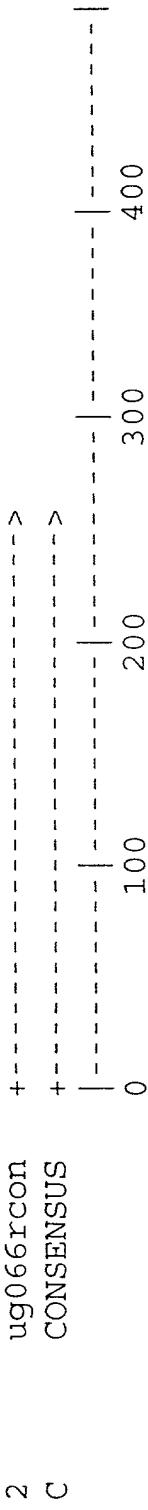


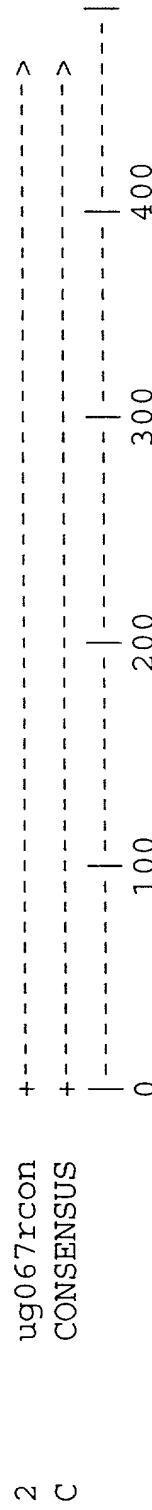
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Contig: ug066rcon



Contig: ug067rcon



Contig: ug069rcon



Contig: ug070rcon

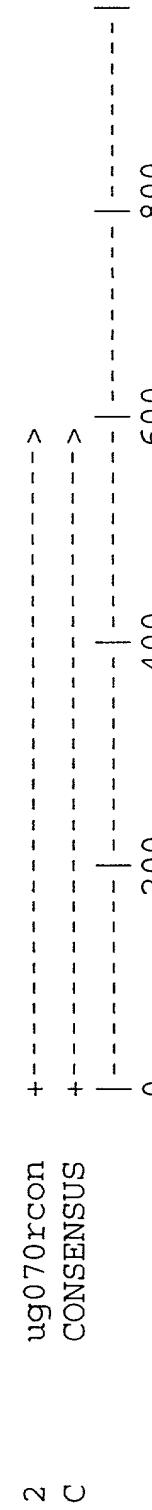
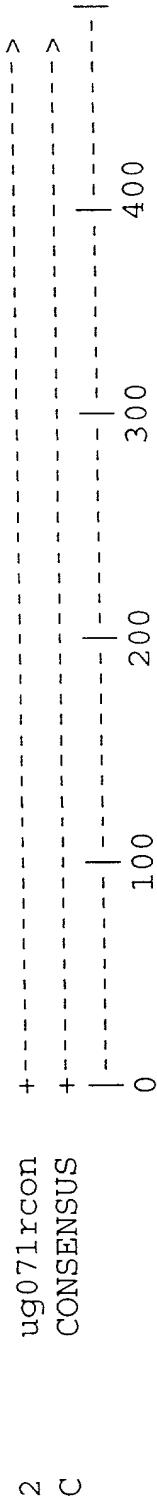


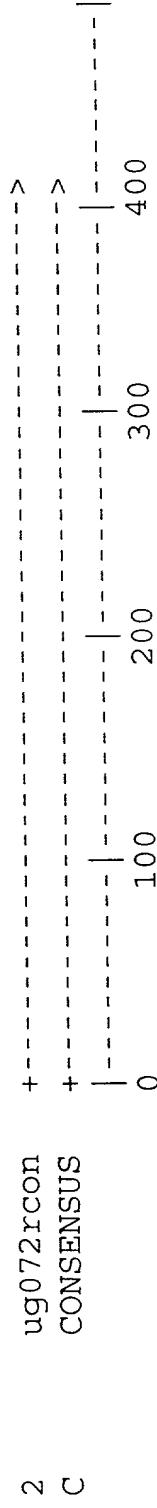
Fig. 8 - 24 of 180

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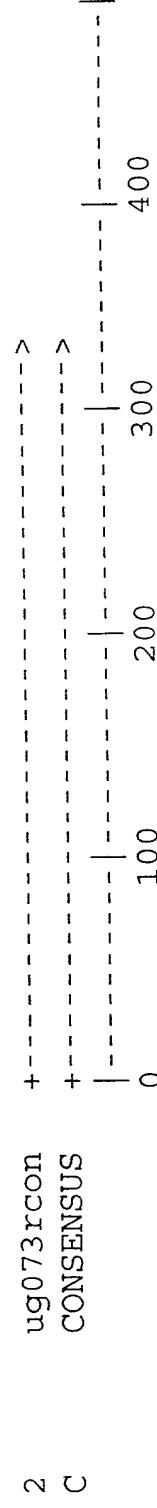
Contig: ug071rcon



Contig: ug072rcon



Contig: ug073rcon



Contig: ug074rcon

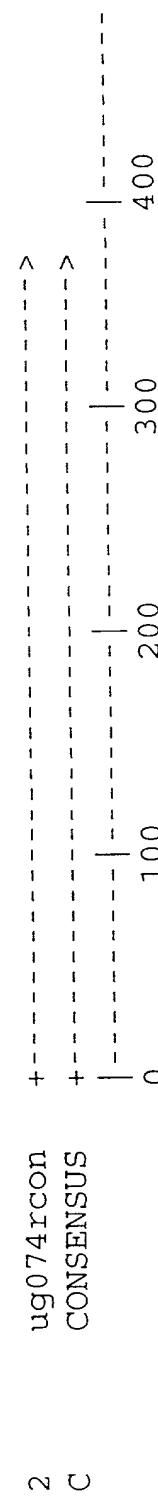
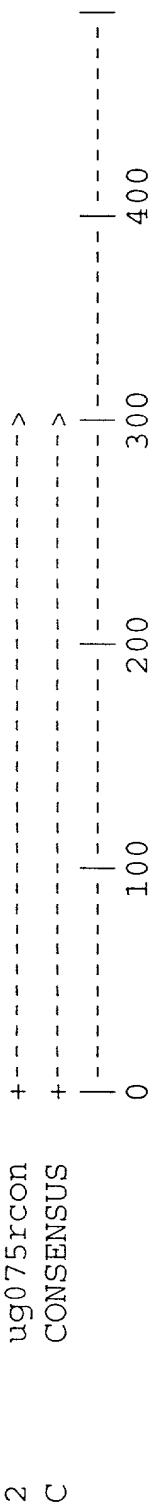


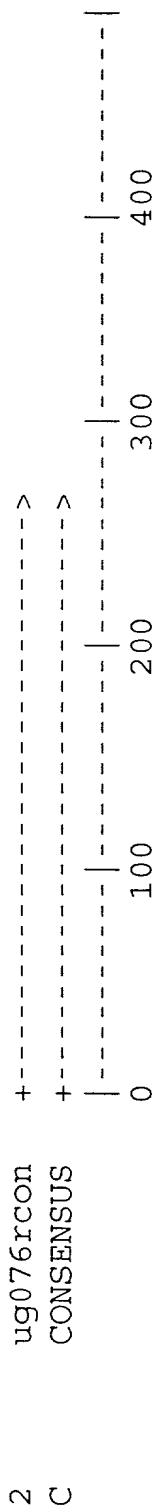
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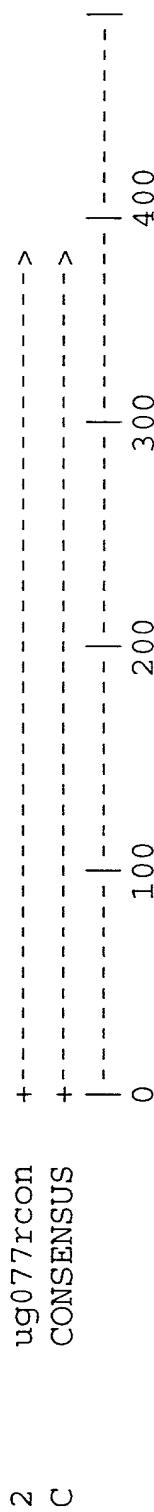
Contig: ug075rcon



Contig: ug076rcon



Contig: ug077rcon



Contig: ug078rcon

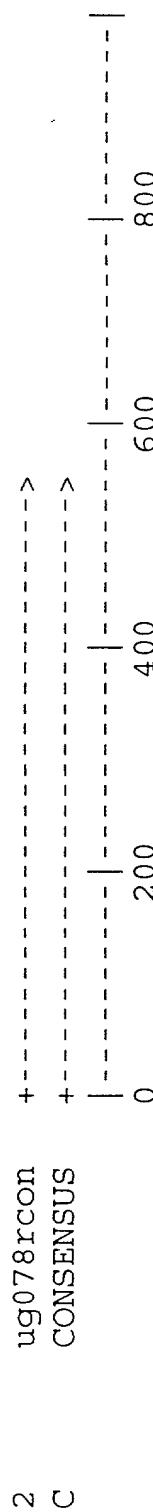
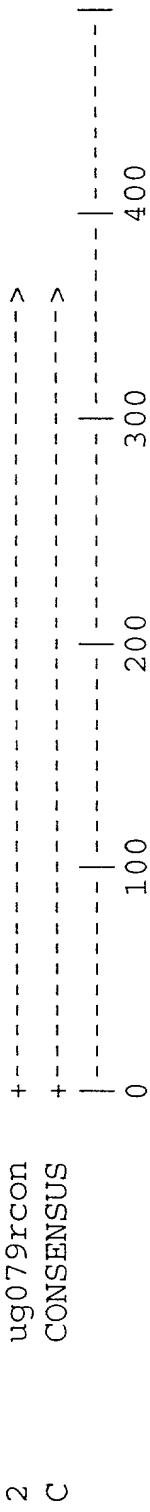


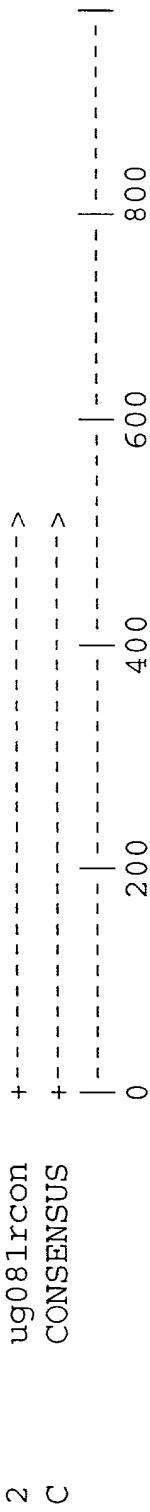
Fig. 8 - 26 of 180

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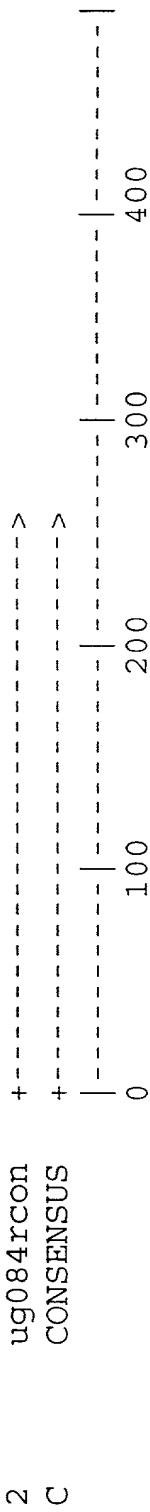
Contig: ug079rcon



Contig: ug081rcon



Contig: ug084rcon



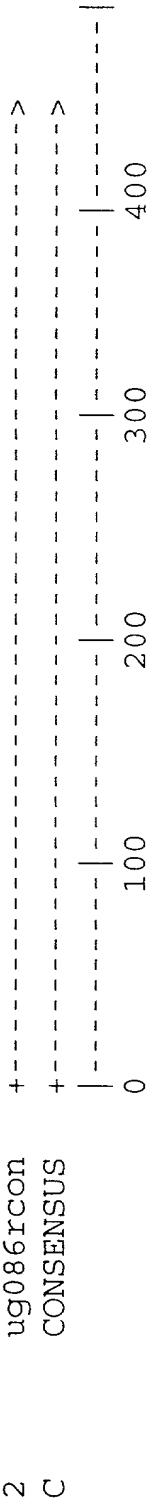
Contig: ug085rcon



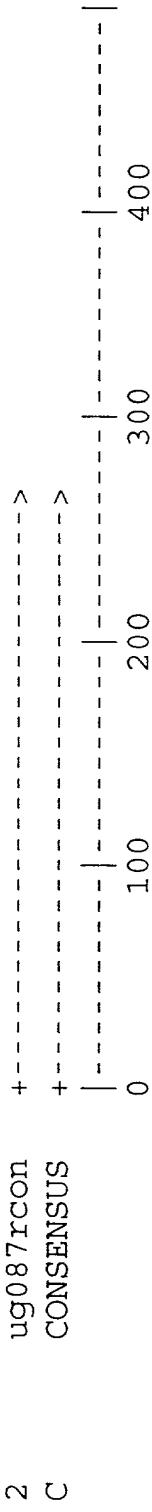
Fig. 8 - 27 of 180

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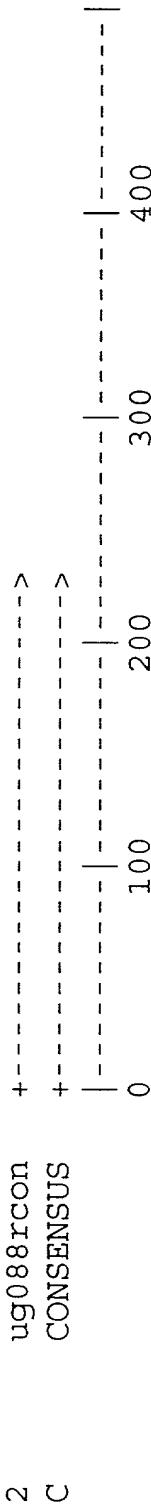
Contig: ug086rcon



Contig: ug087rcon



Contig: ug088rcon



Contig: ug089rcon

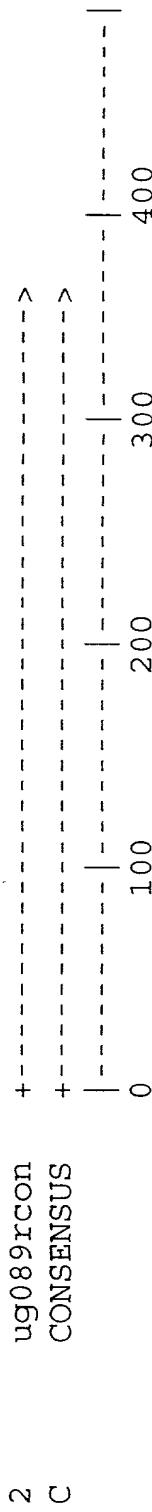
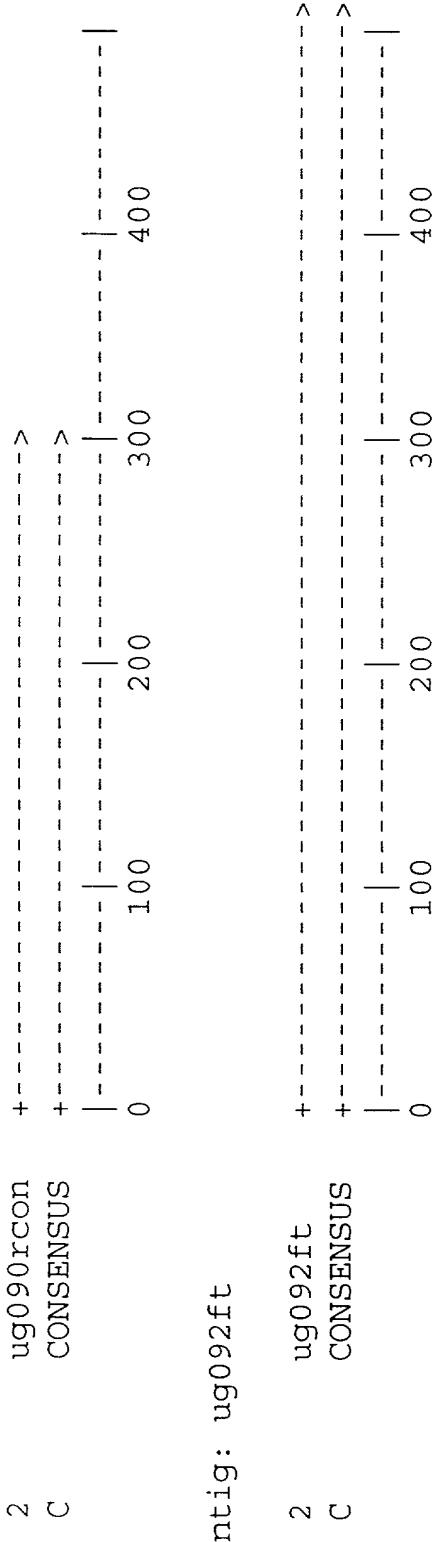


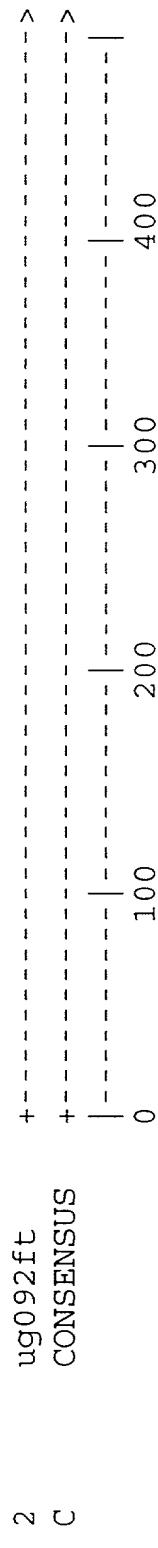
Fig. 8 - 28 of 180

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Contig: ug090rcon



Contig: ug092ft



Contig: ug092ors

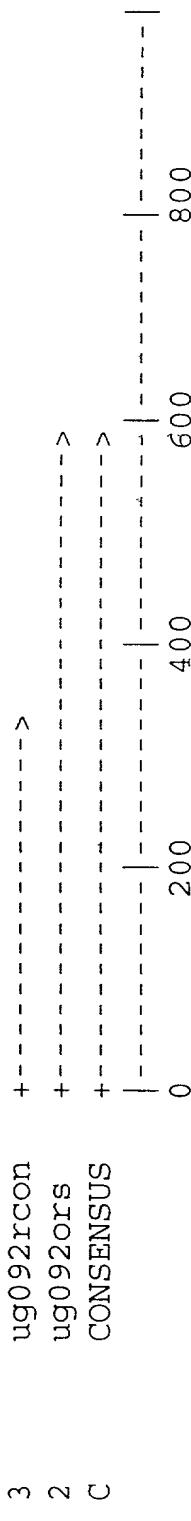


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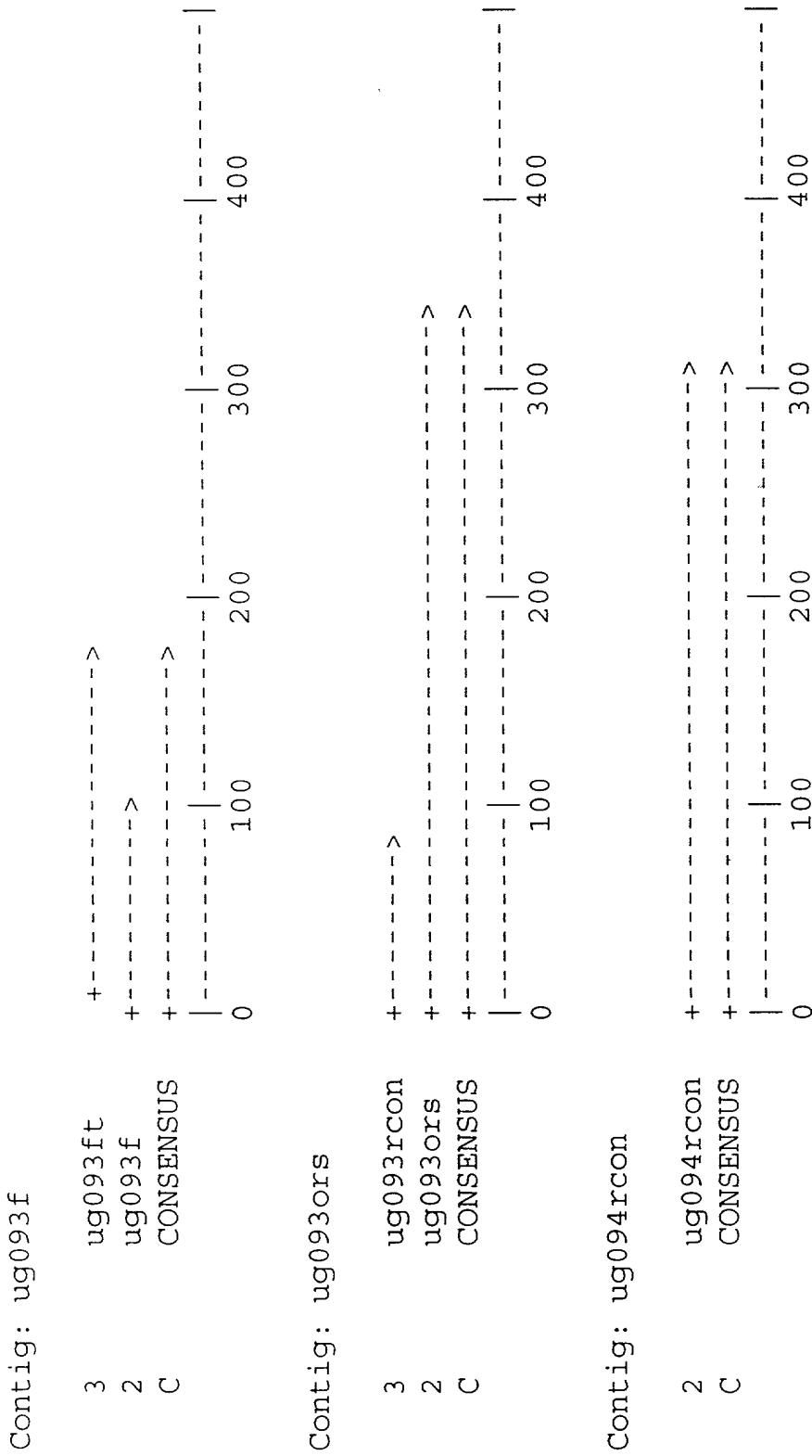
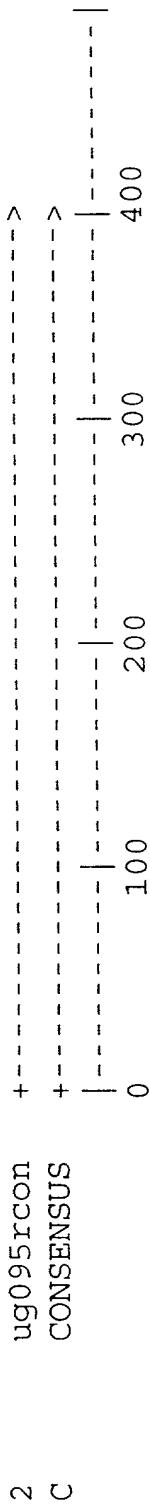


Fig. 8 - 30 of 180

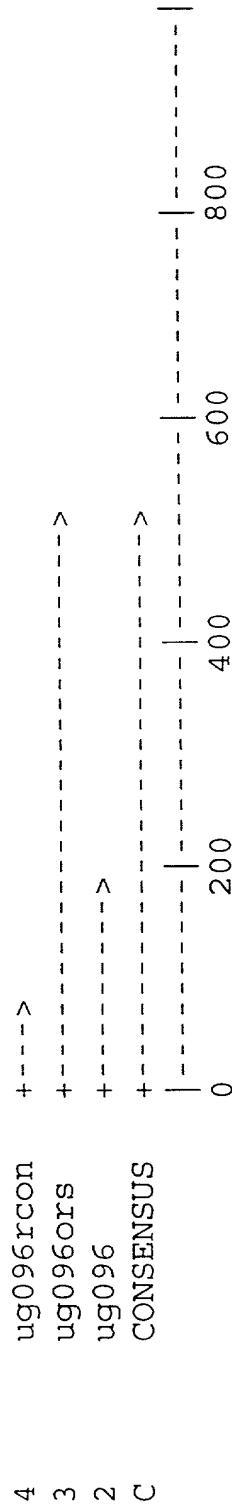
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ug095rcon ug096rcon ug097rcon  
ug096ors ug096  
CONSENSUS CONSENSUS CONSENSUS  
C C C

Contig: ug095rcon



Contig: ug096rcon



Contig: ug097rcon

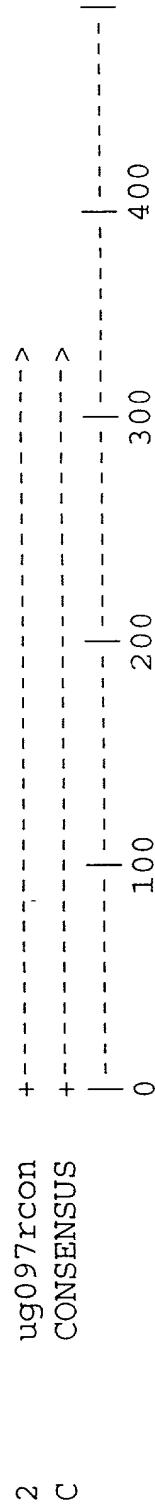
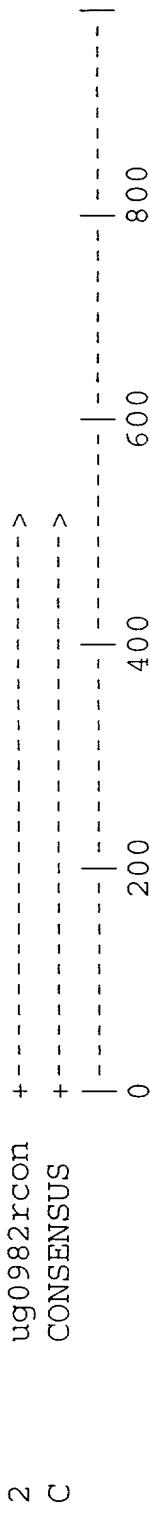


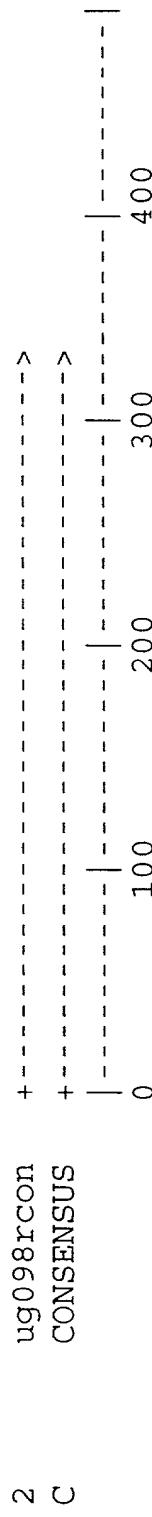
Fig. 8 - 31 of 180

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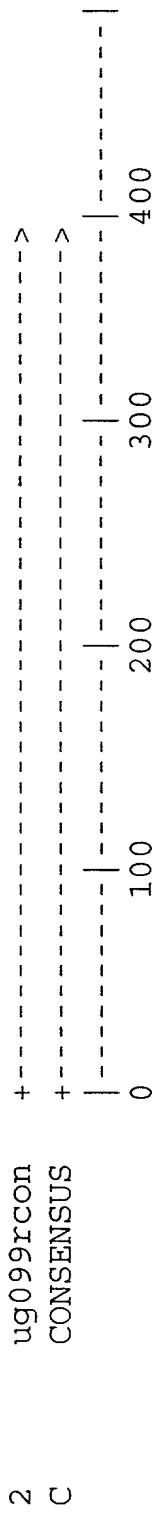
Contig: ug0982rcon



Contig: ug098rcon



Contig: ug099rcon



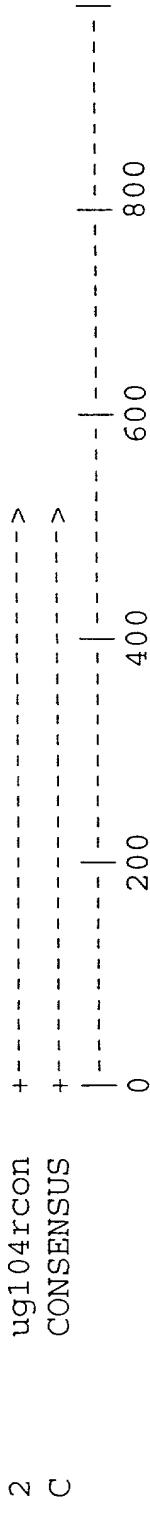
Contig: ug101rcons



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Contig: ug104rcon



Contig: ug106ft



Contig: ug106ors



Contig: ug106rcon

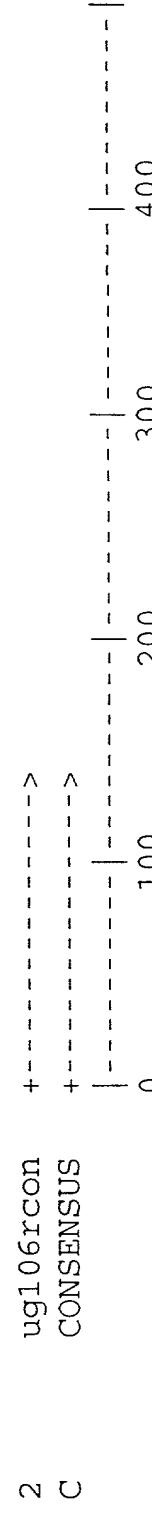
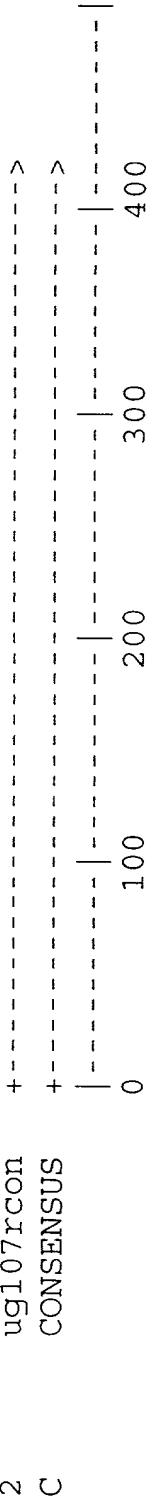


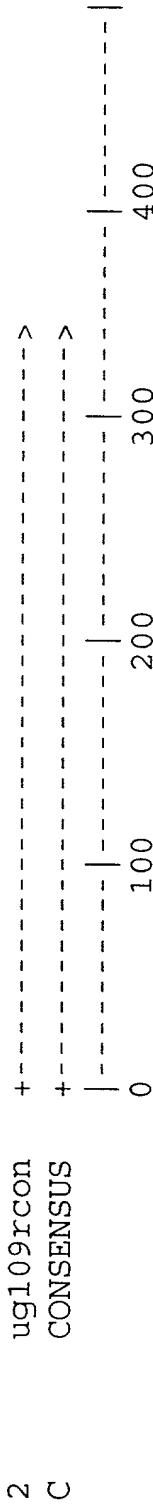
Fig. 8 - 33 of 180

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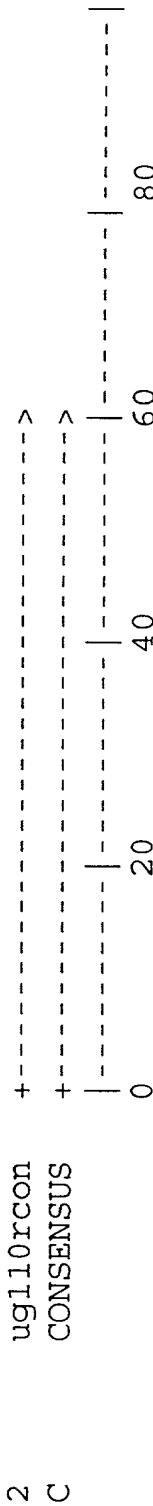
Contig: ug107rcon



Contig: ug109rcon



Contig: ug110rcon



Contig: ug111nov

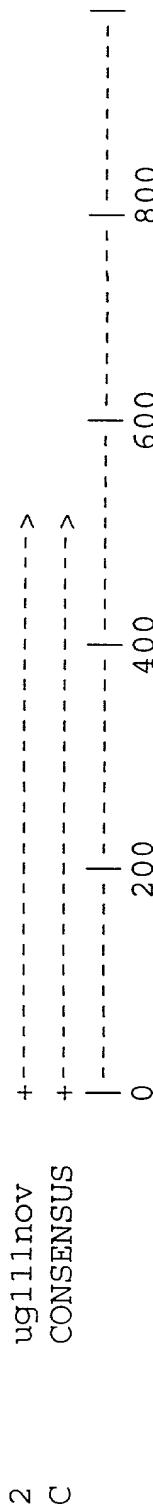
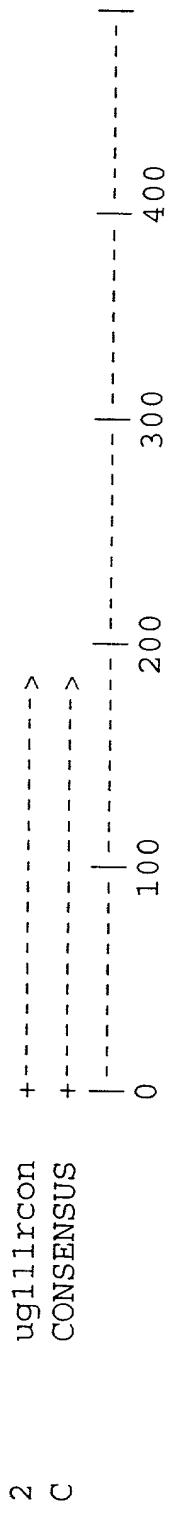


Fig. 8 - 34 of 180

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Contig: ug111rcon



Contig: ug112



Contig: ug113rcnlo

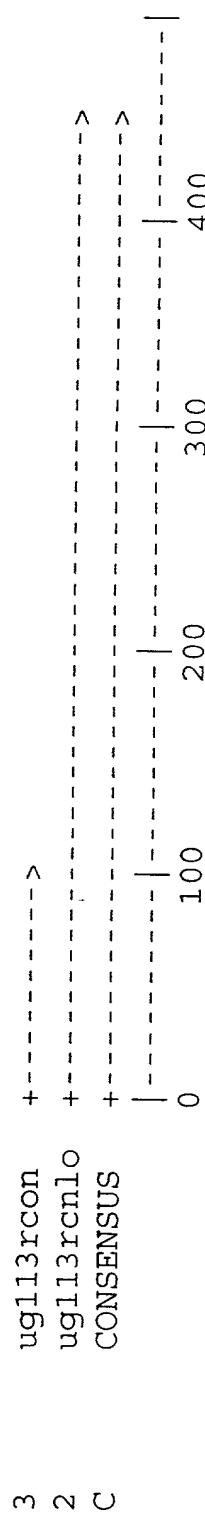
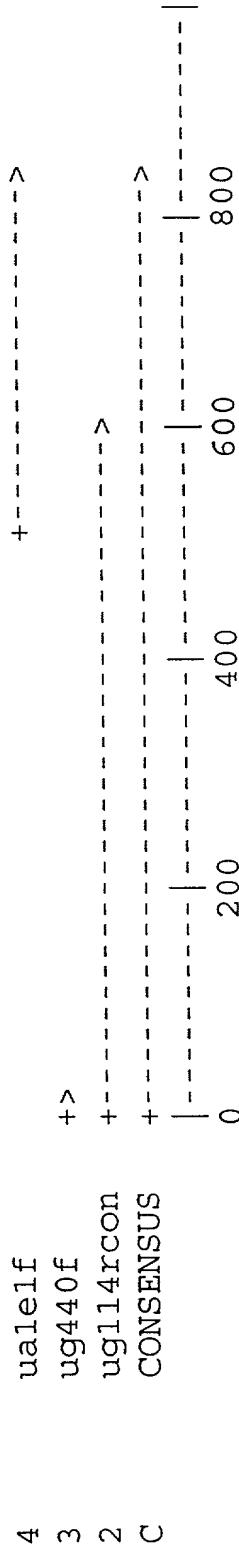


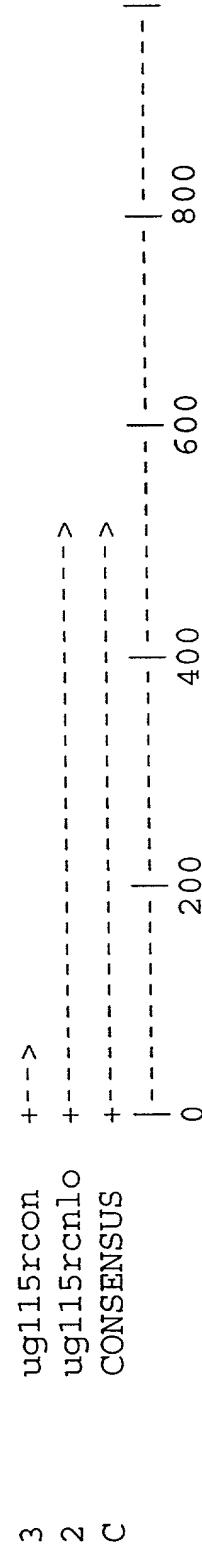
Fig. 8 - 35 of 180

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Contig: ug114rcon



Contig: ug115rcnlo



Contig: ug116rcon

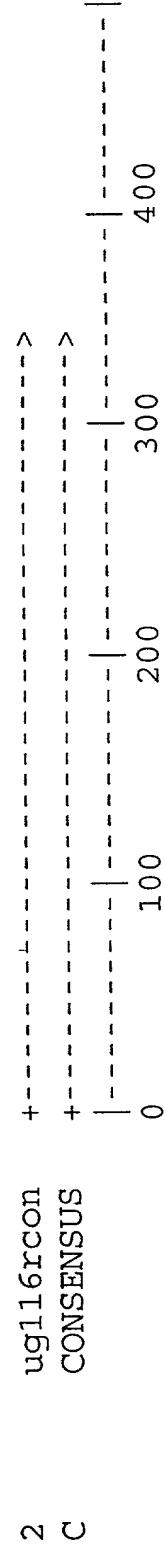
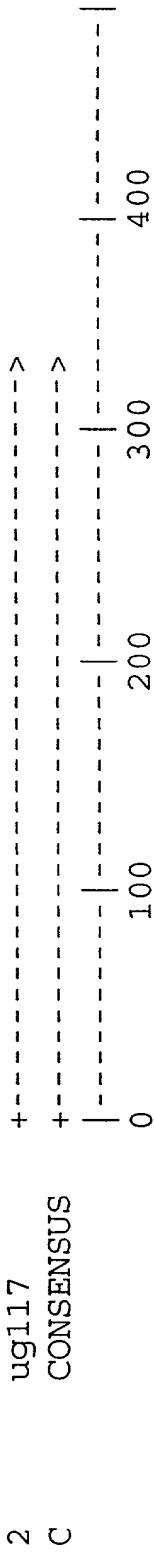


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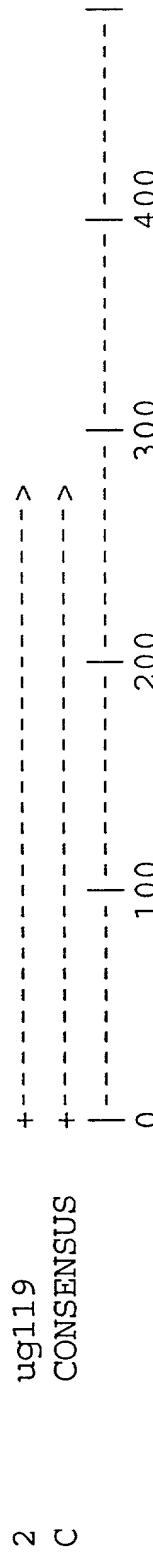
Contig: ug117



Contig: ug118



Contig: ug119



Contig: ug120fmin

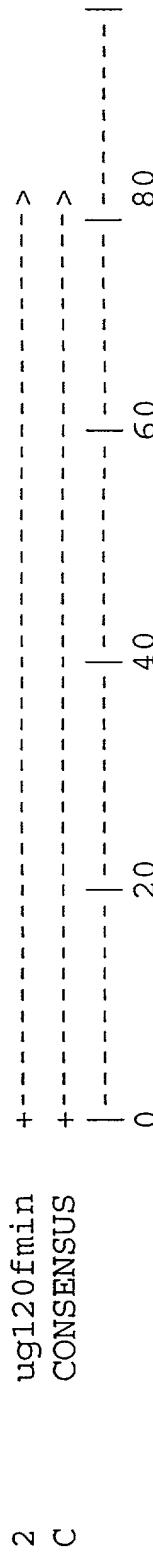
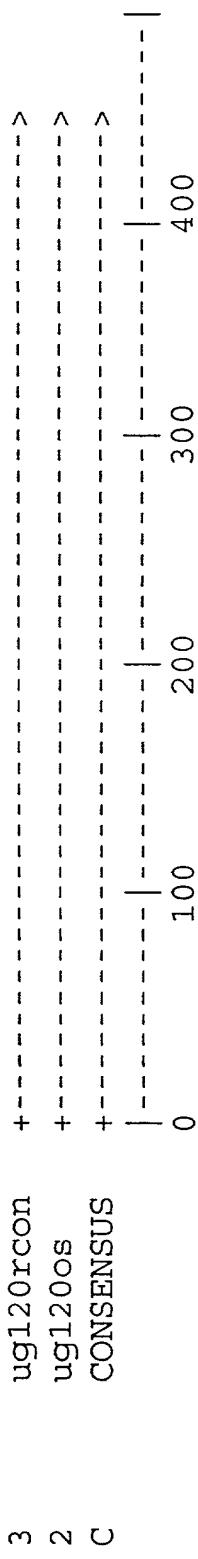


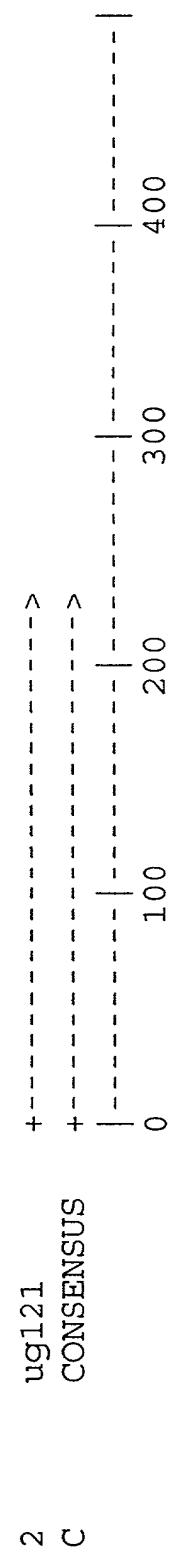
Fig. 8 - 37 of 180

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Contig: ug1200s



Contig: ug121



Contig: ug123



Contig: ug125

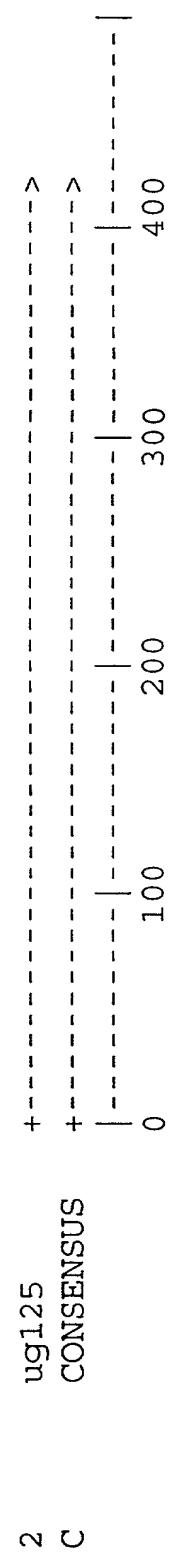
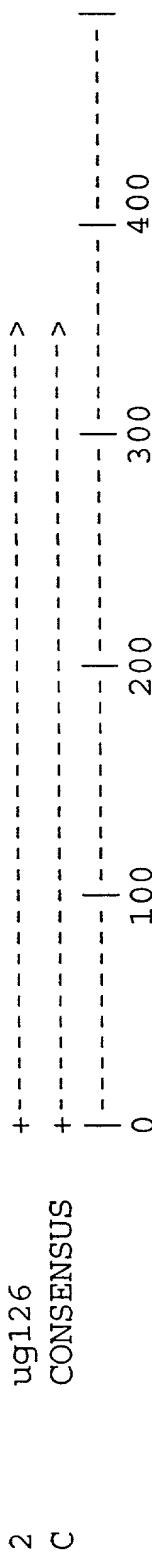


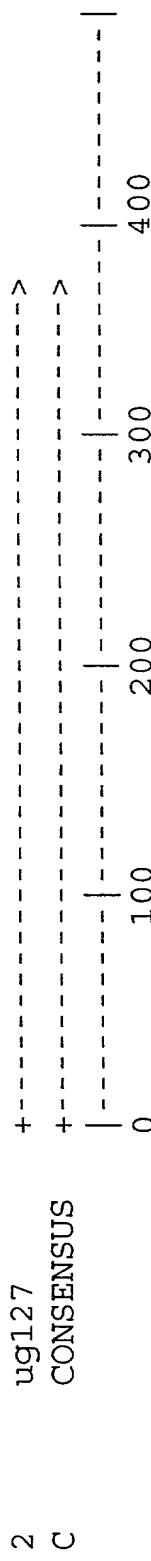
Fig. 8 - 38 of 180

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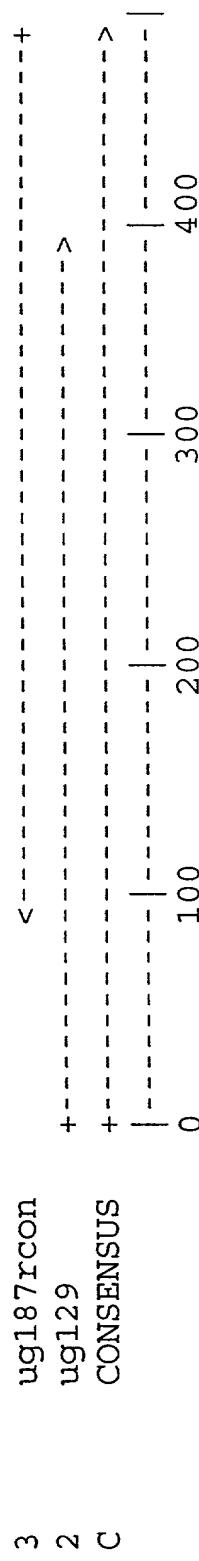
Contig: ug126



Contig: ug127



Contig: ug129



Contig: ug130

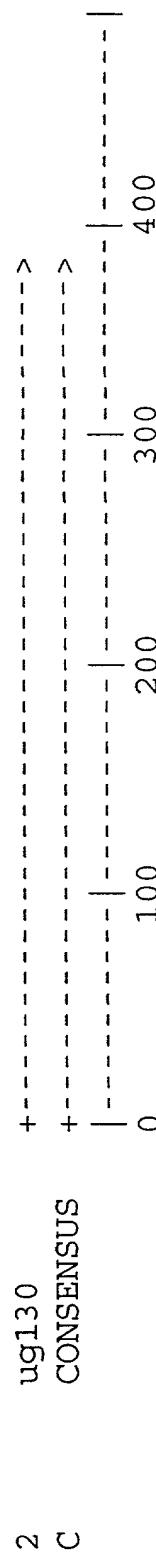
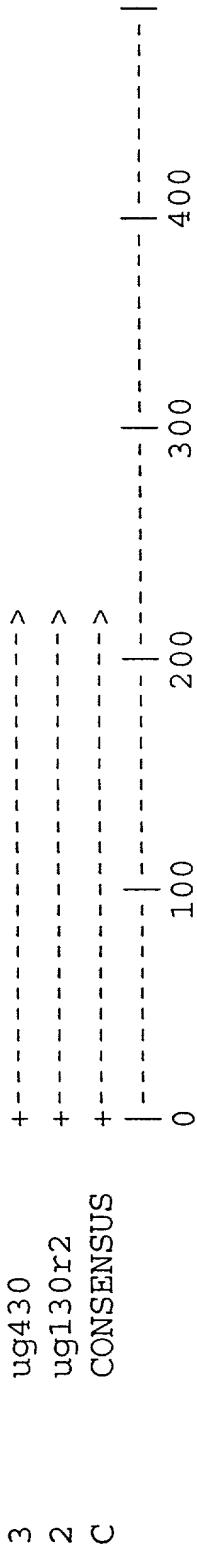


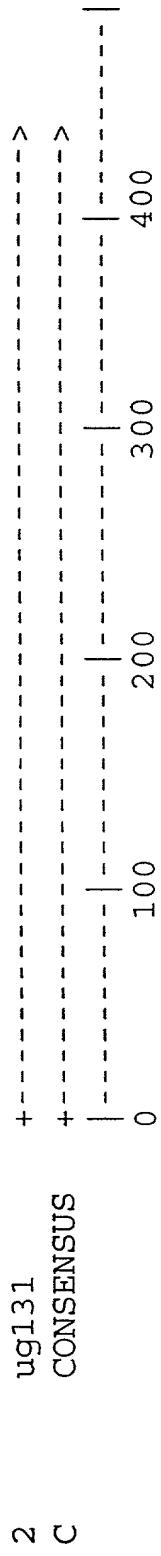
Fig. 8 - 39 of 180

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Contig: ug130r2



Contig: ug131



Contig: ug132



Contig: ug133



Fig. 8 - 40 of 180

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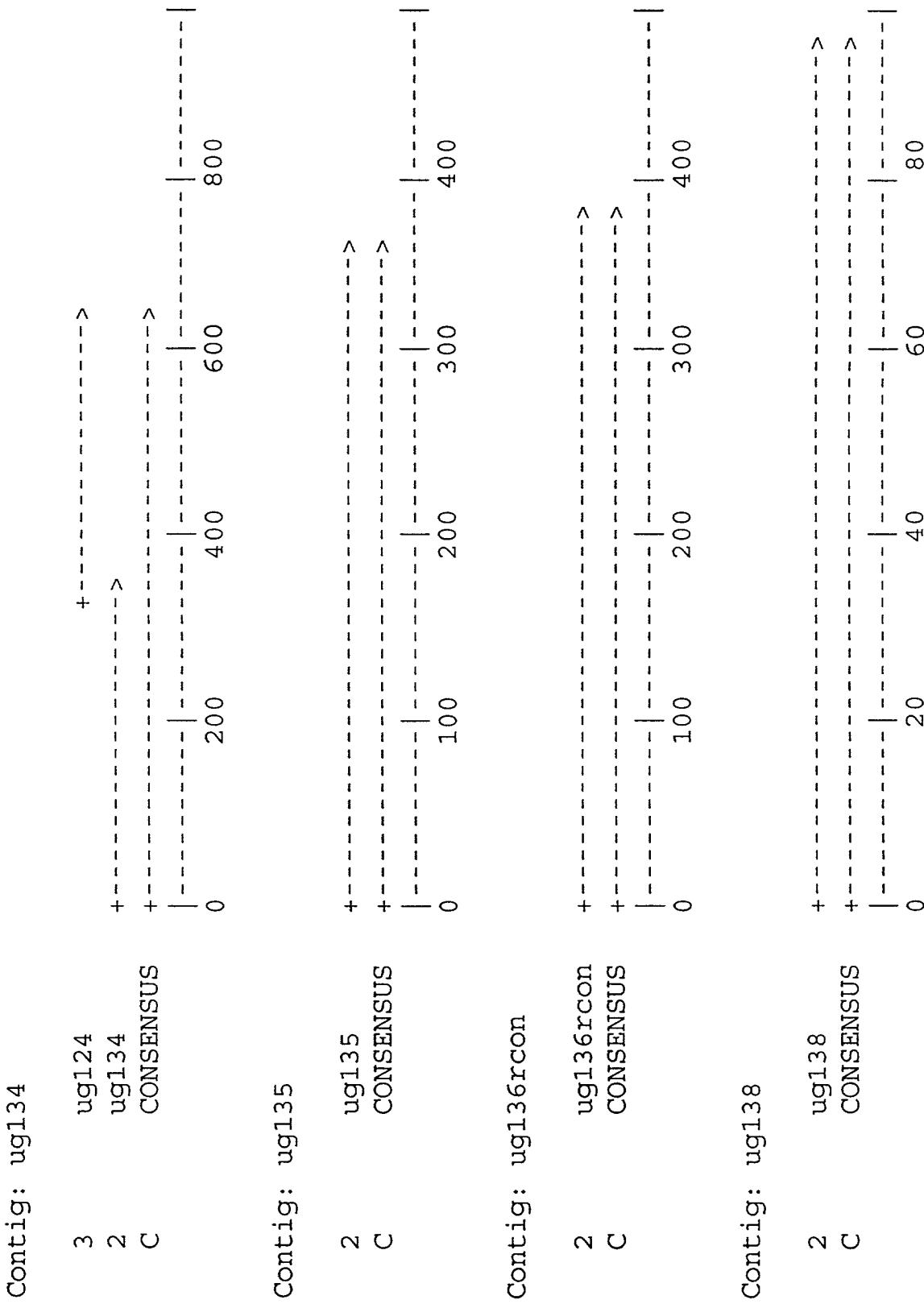
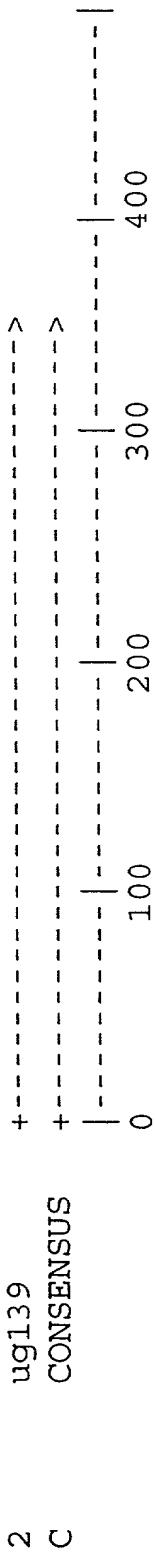


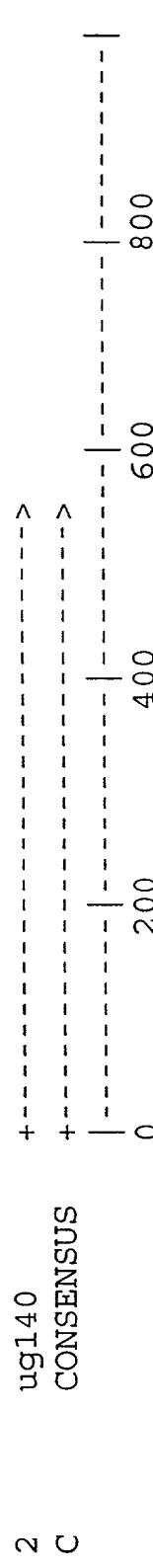
Fig. 8 - 41 of 180

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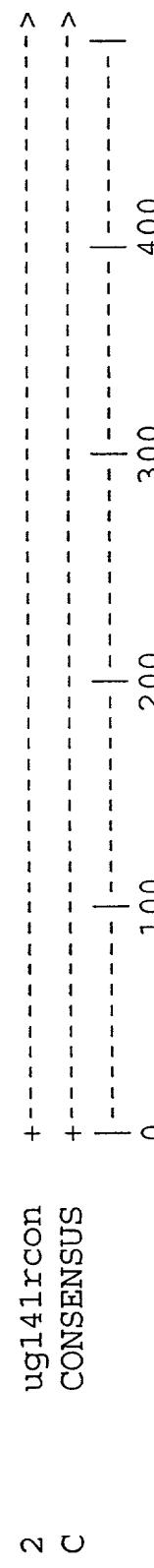
Contig: ug139



Contig: ug140



Contig: ug141rcm



Contig: ug142

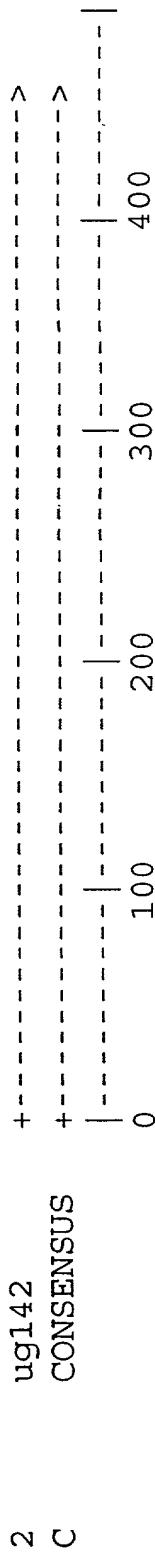
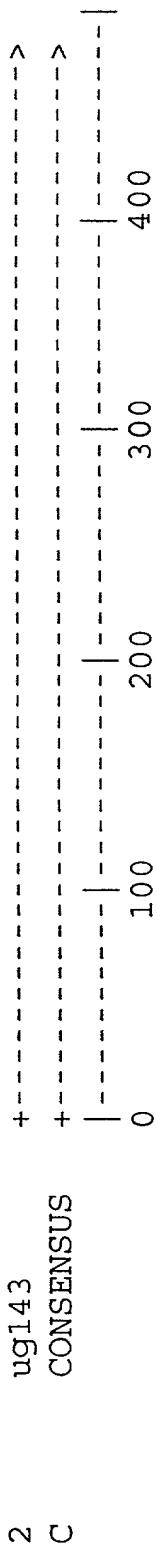


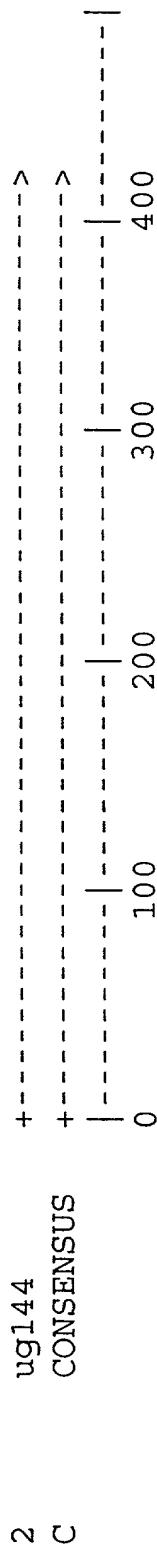
Fig. 8 - 42 of 180

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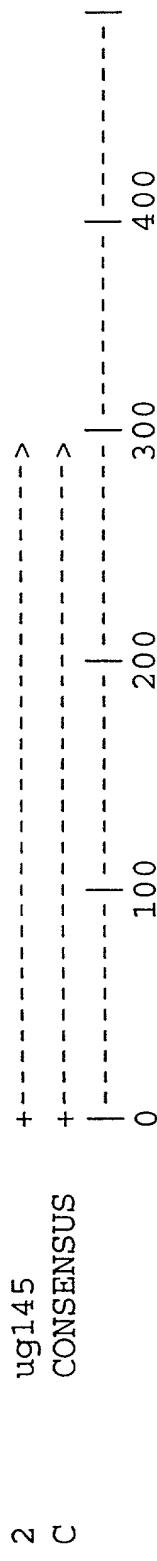
Contig: ug143



Contig: ug144



Contig: ug145



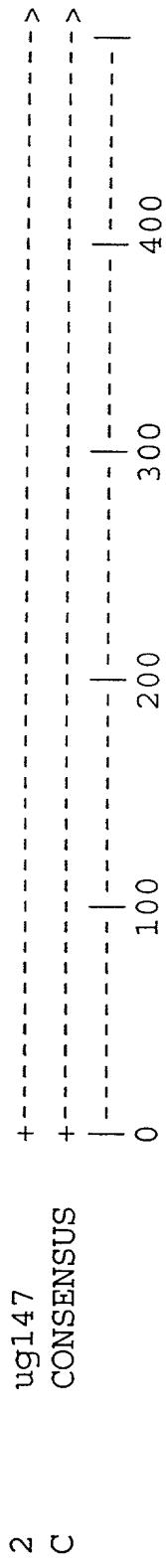
Contig: ug146



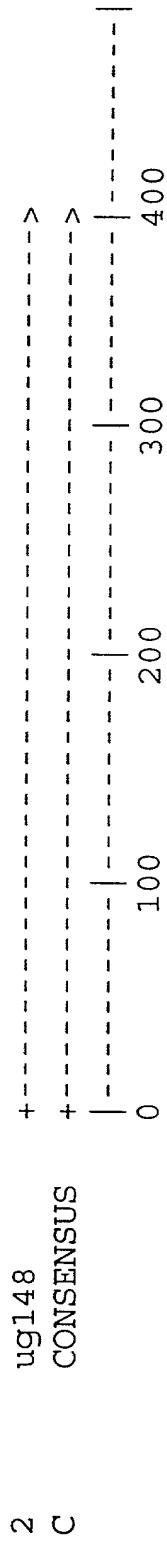
Fig. 8 - 43 of 180

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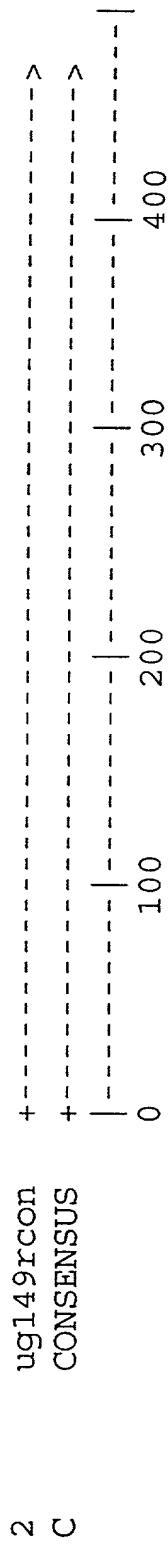
Contig: ug147



Contig: ug148



Contig: ug149rcon



Contig: ug150rcon

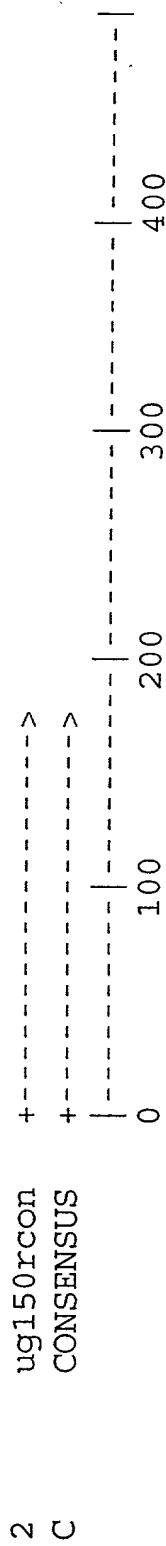
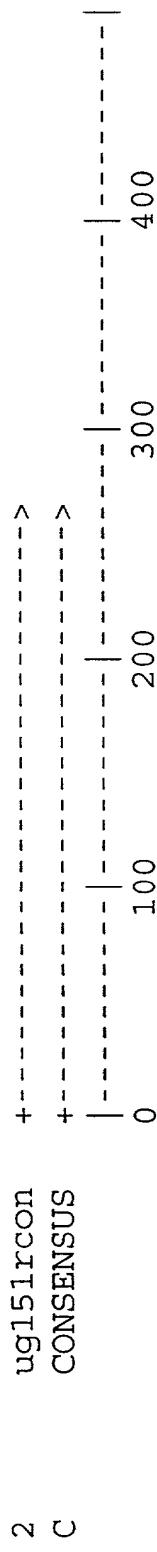


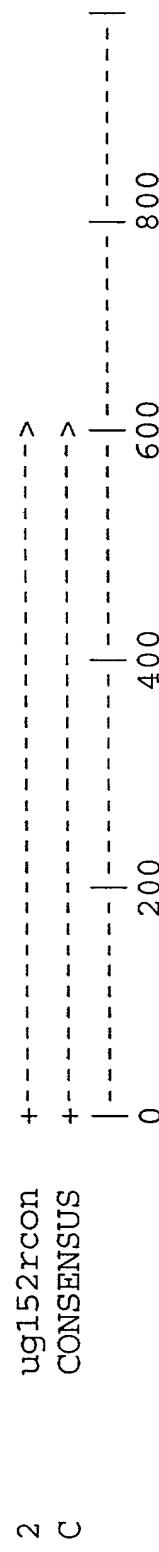
Fig. 8 - 44 of 180

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Contig: ug151rcon



Contig: ug152rcon



Contig: ug153rcon

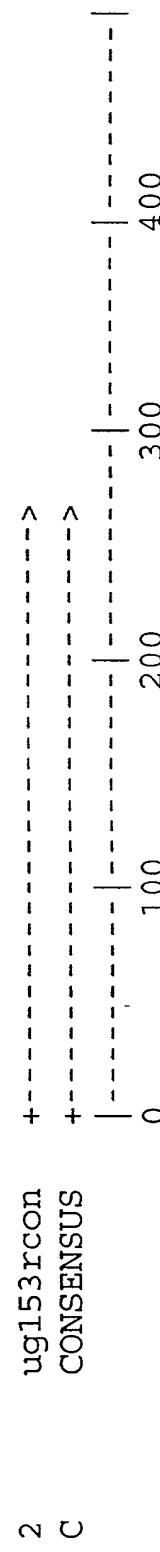
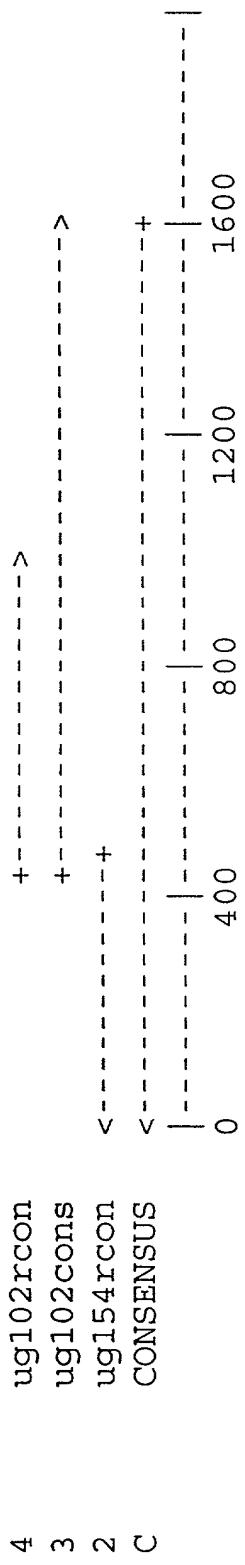


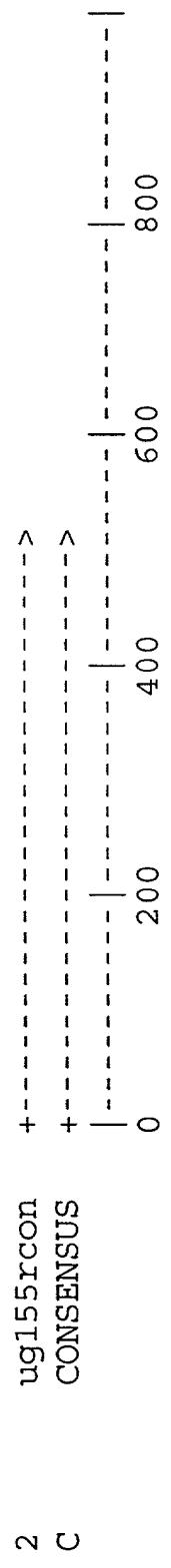
Fig. 8 - 45 of 180

313/472

Contig: ug154rcon



Contig: ug155rcon



Contig: ug1556rcon

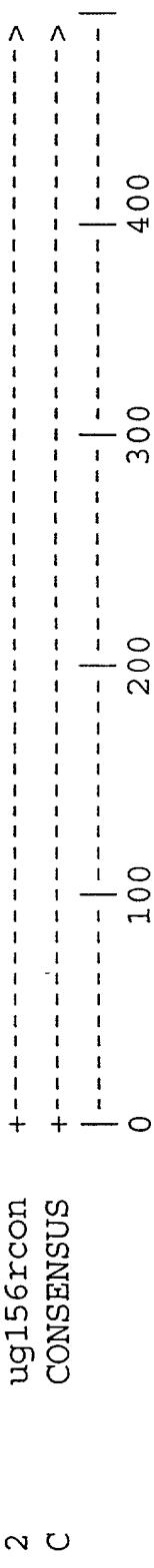
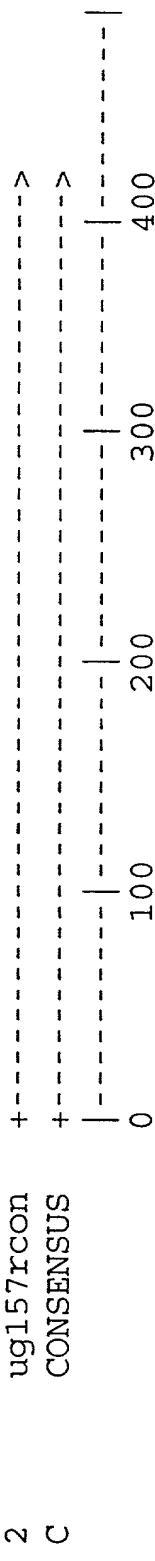


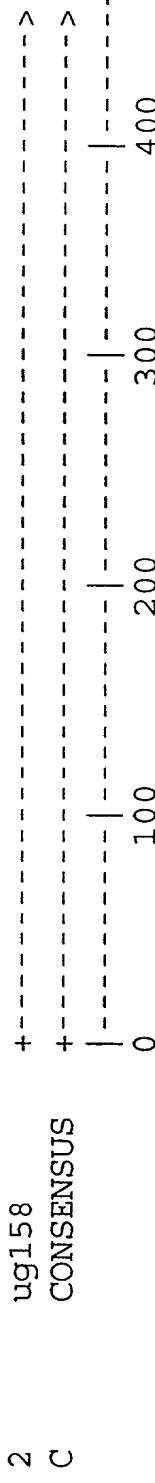
Fig. 8 - 46 of 180

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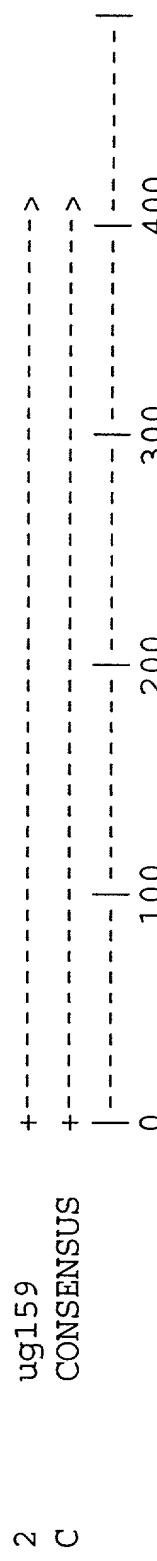
Contig: ug157rcon



Contig: ug158



Contig: ug159



Contig: ug160

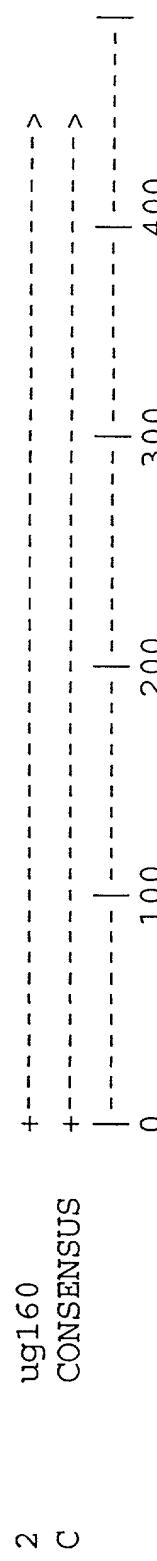
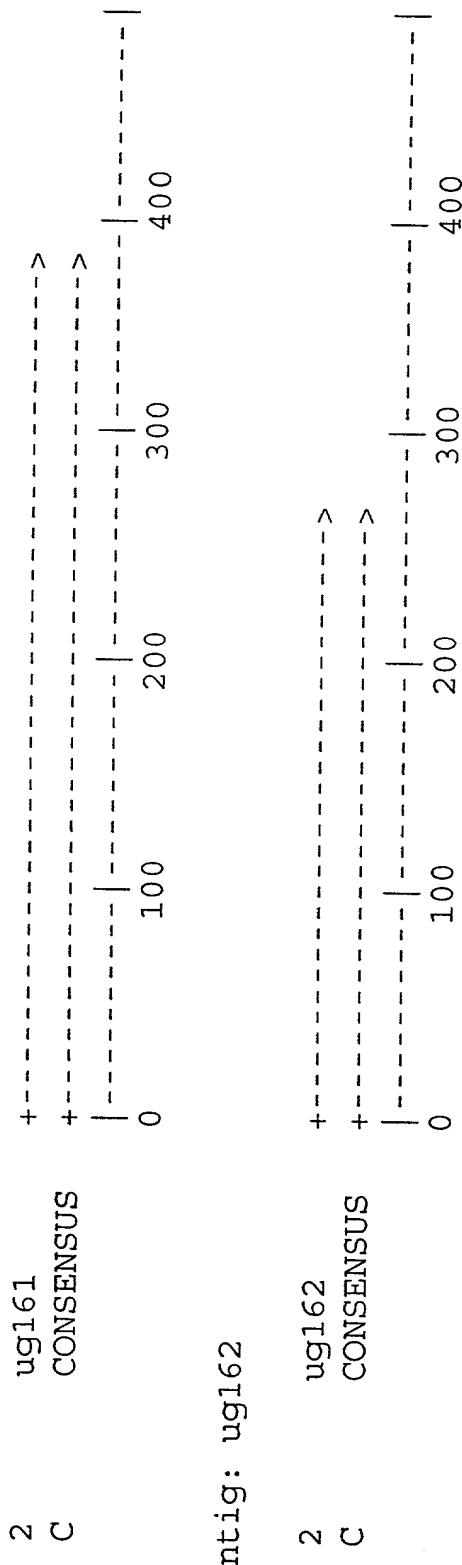


Fig. 8 - 47 of 180

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Contig: ug161



Contig: ug162



Contig: ug163rcon

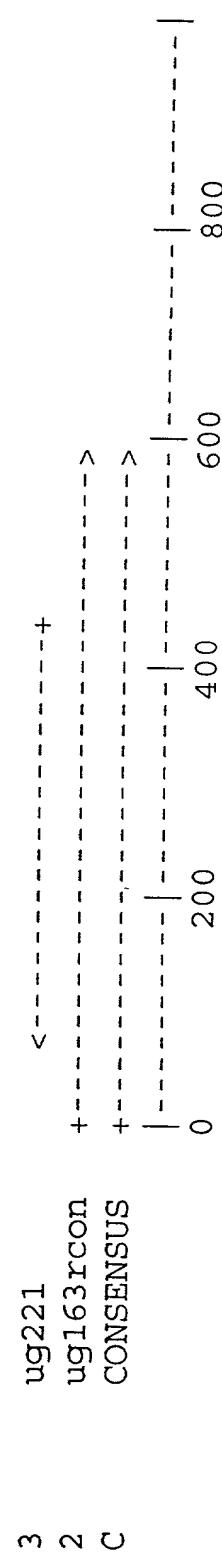


Fig. 8 - 48 of 180

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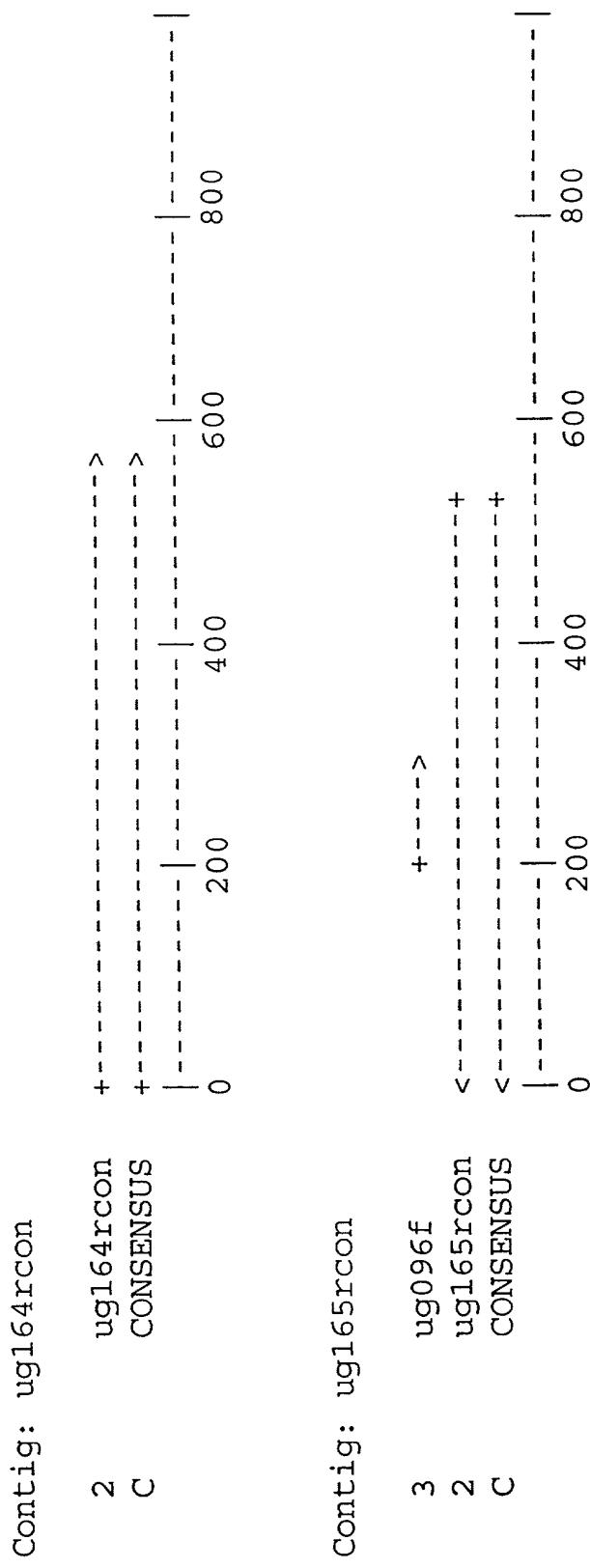


Fig. 8 - 49 of 180

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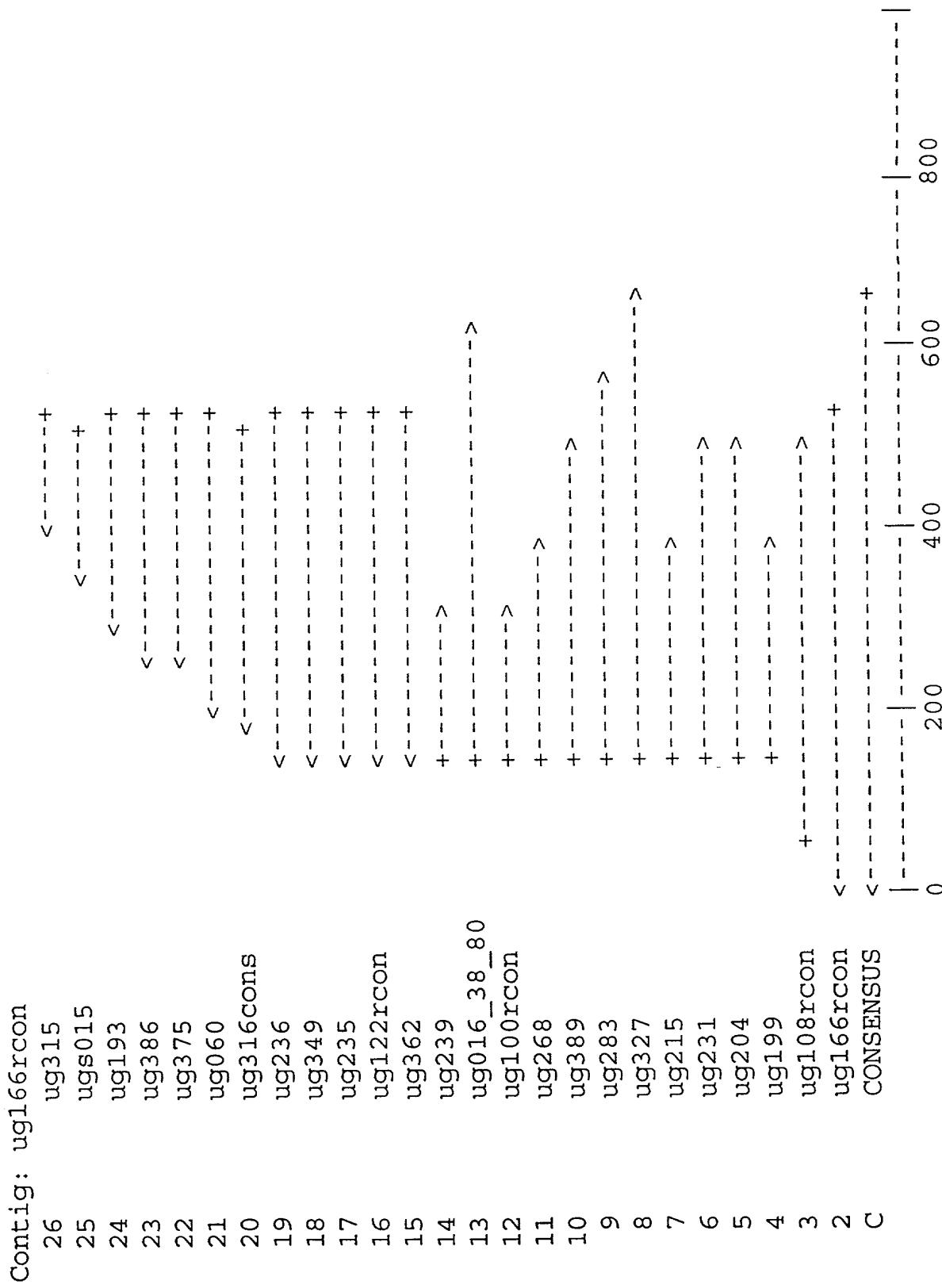


Fig. 8 - 50 of 180

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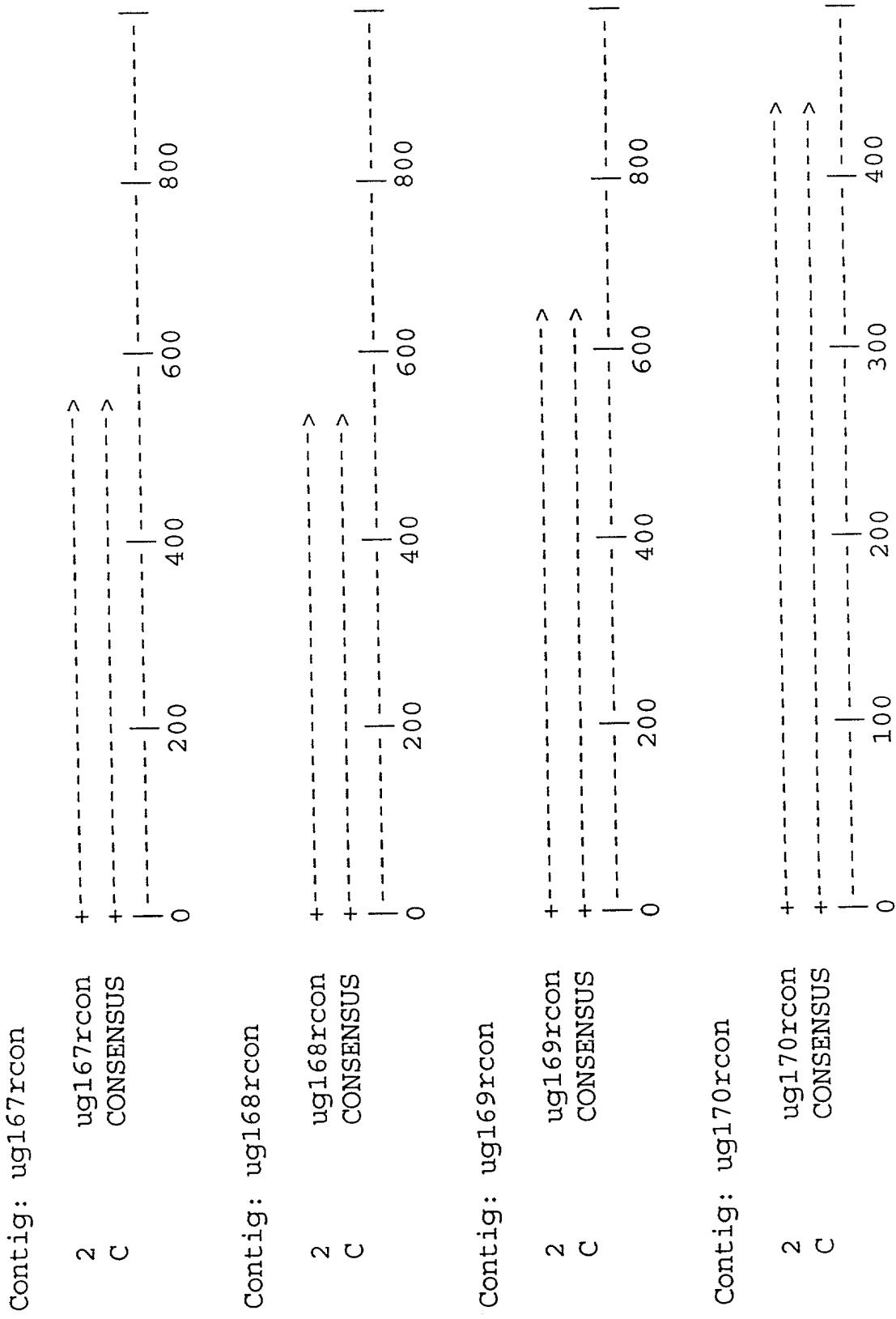


Fig. 8 - 51 of 180

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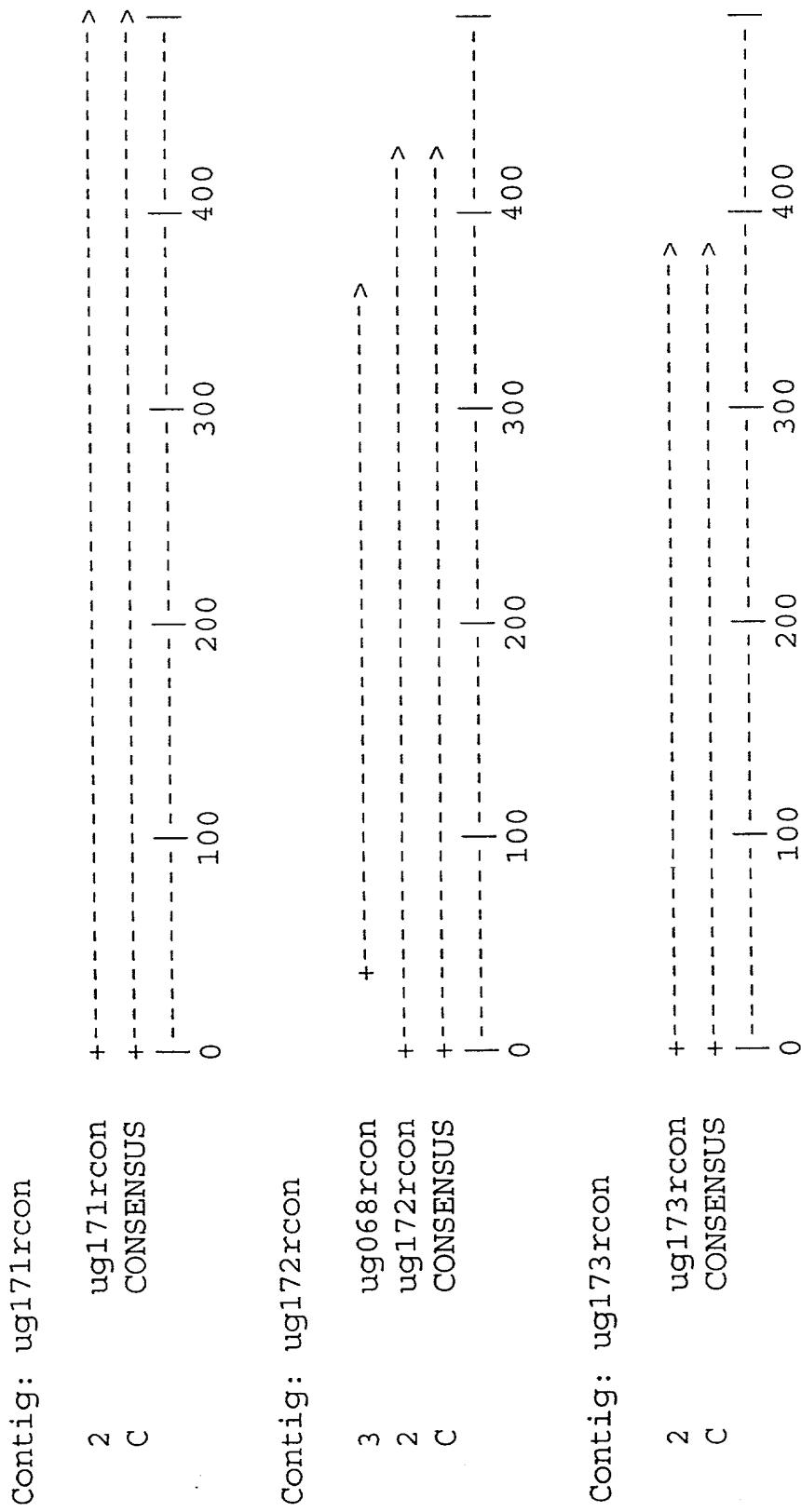
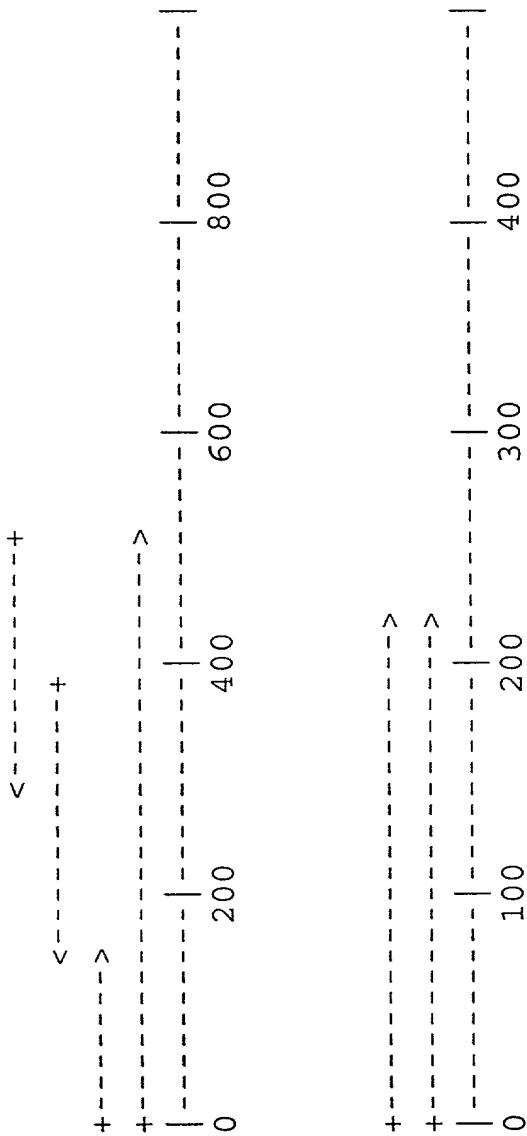


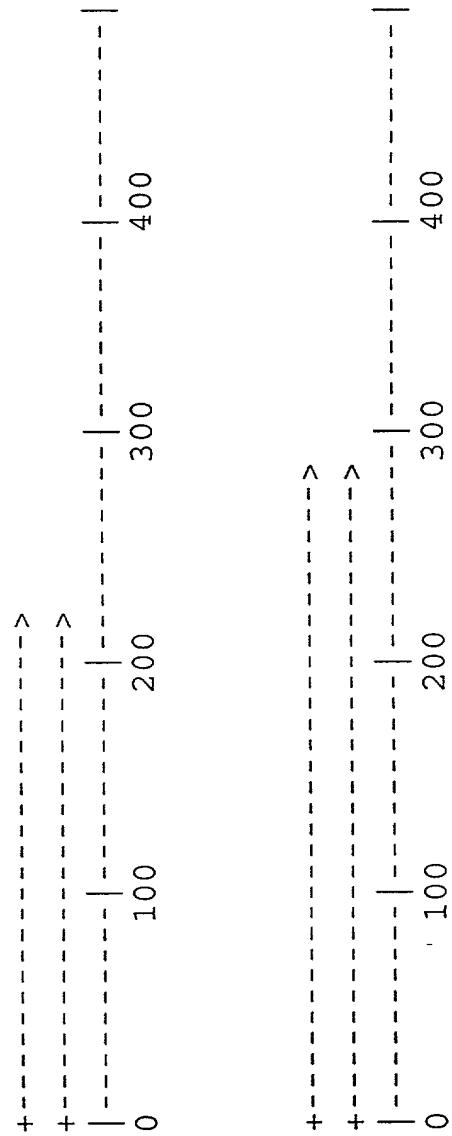
Fig. 8 - 52 of 180

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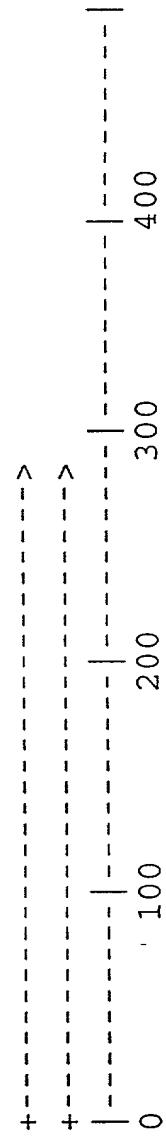
Contig: ug174rcon



Contig: ug175rcon



Contig: ug176rcon



Contig: ug177rcon

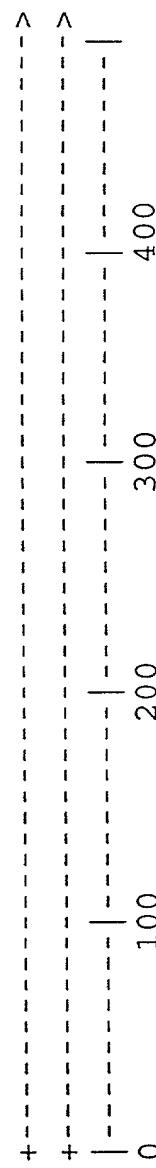
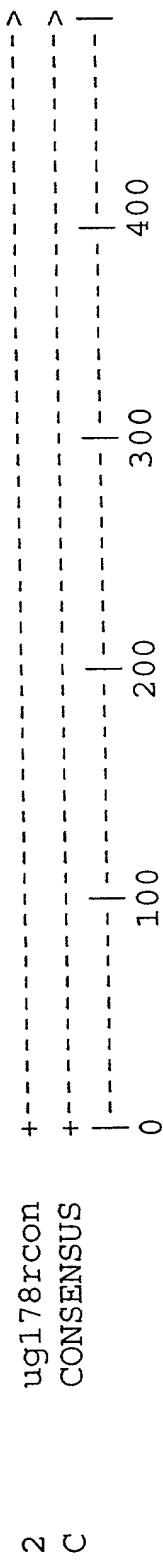


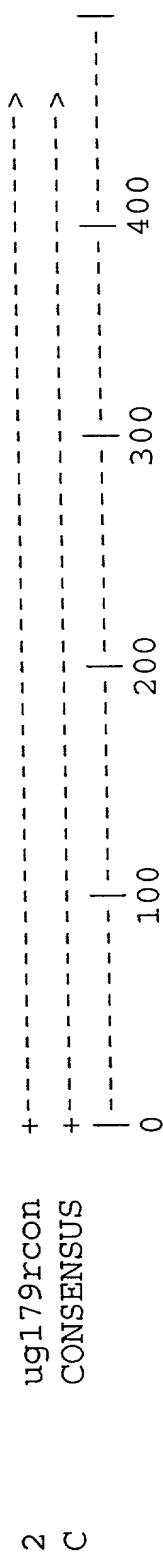
Fig. 8 - 53 of 180

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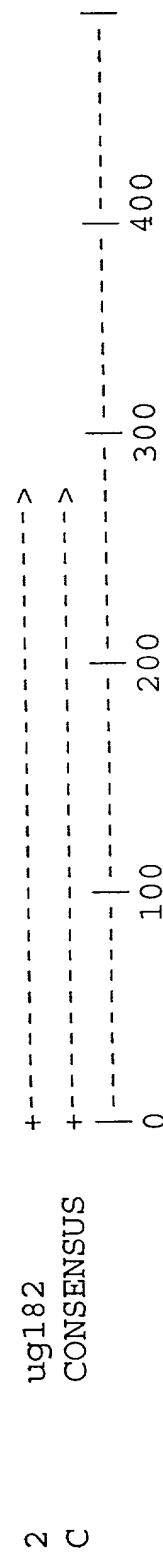
Contig: ug178rcon



Contig: ug179rcon



Contig: ug182



Contig: ug183rcon

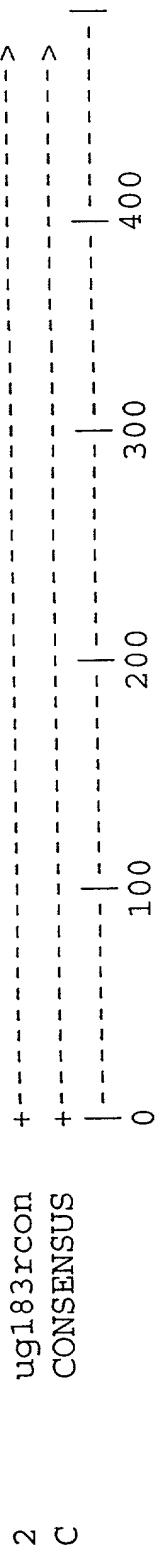
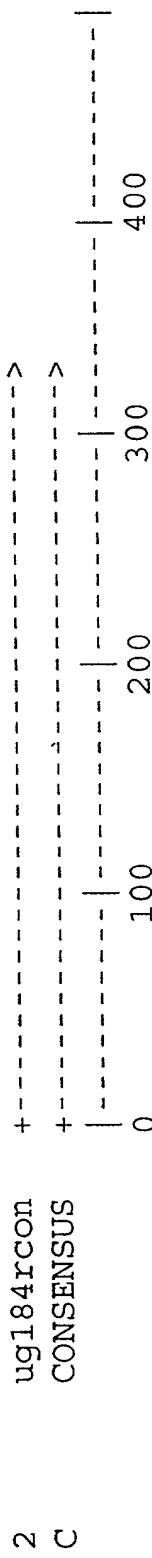


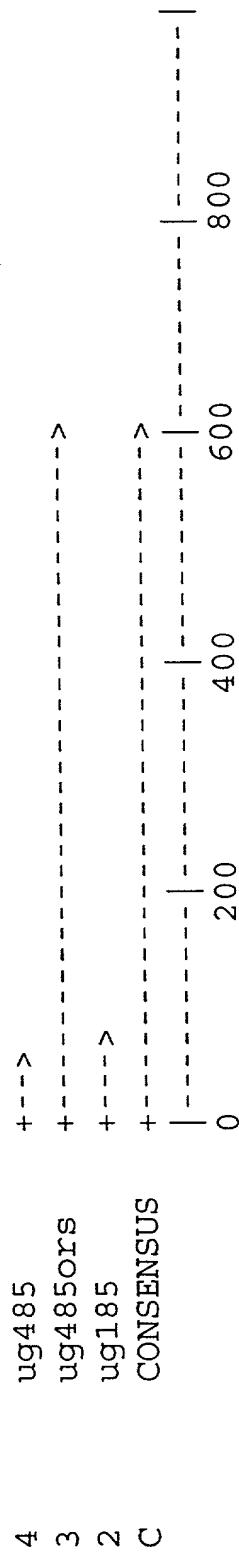
Fig. 8 - 54 of 180

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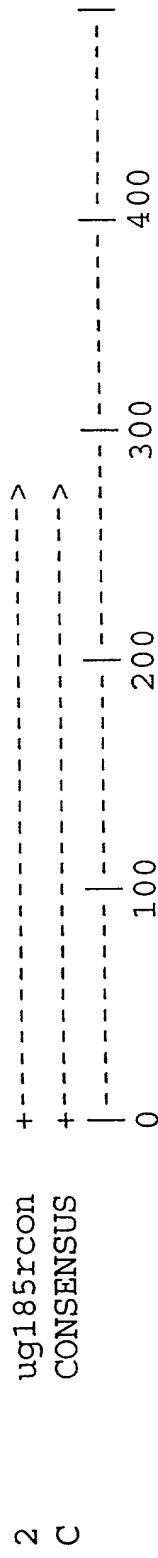
Contig: ug184rcon



Contig: ug185rcon



Contig: ug185rcon



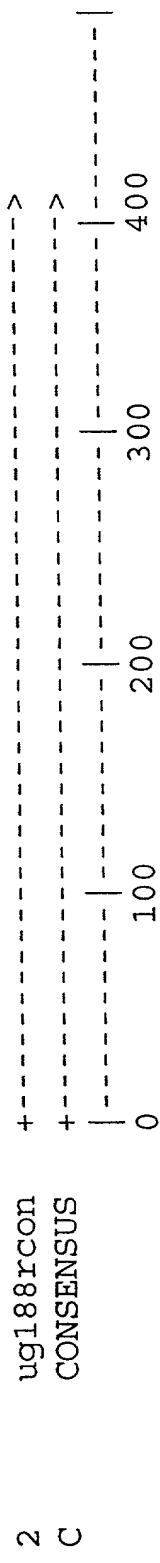
Contig: ug186rcon



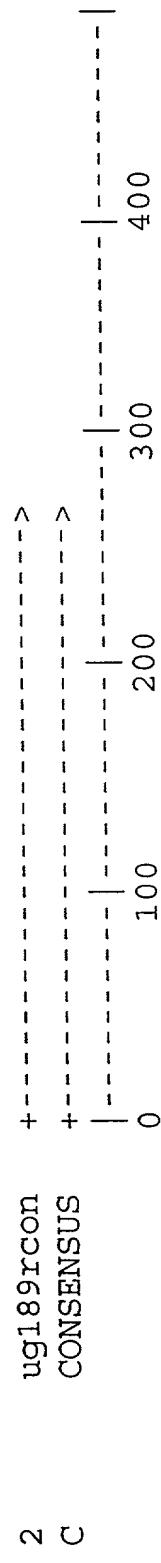
*Fig. 8 - 55 of 180*

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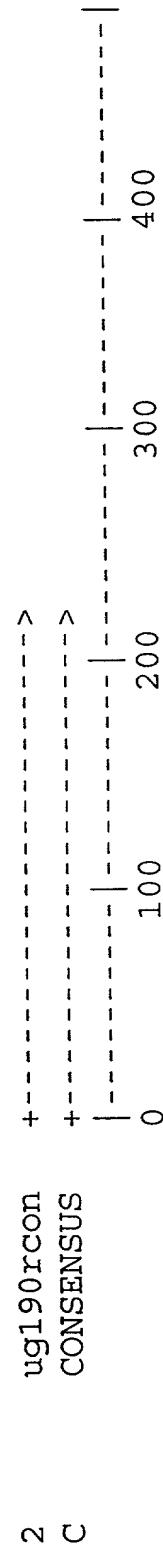
Contig: ug188rcon



Contig: ug189rcon



Contig: ug190rcon



Contig: ug191rcon

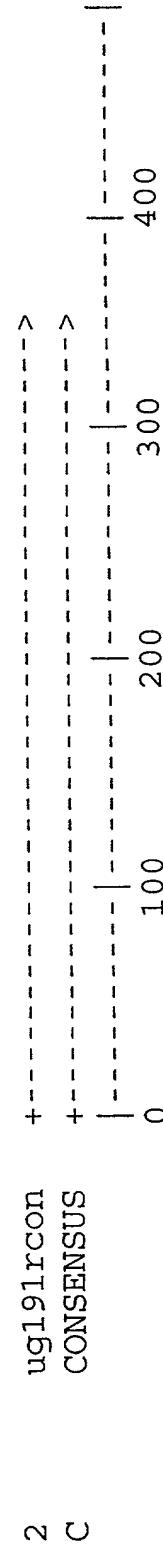
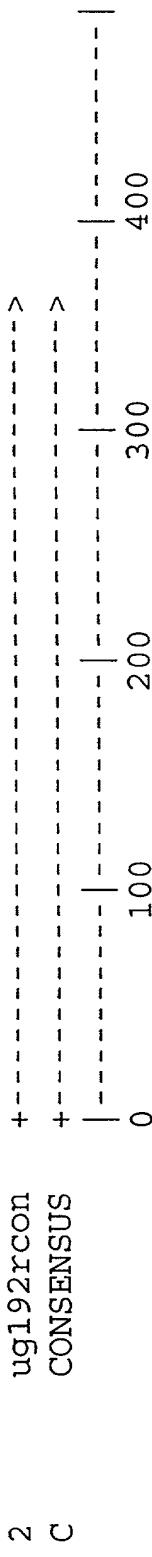


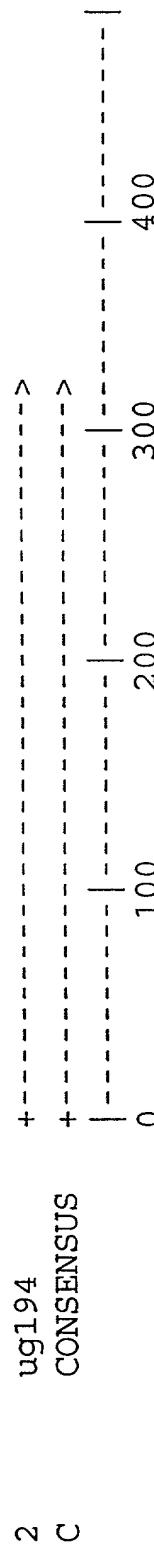
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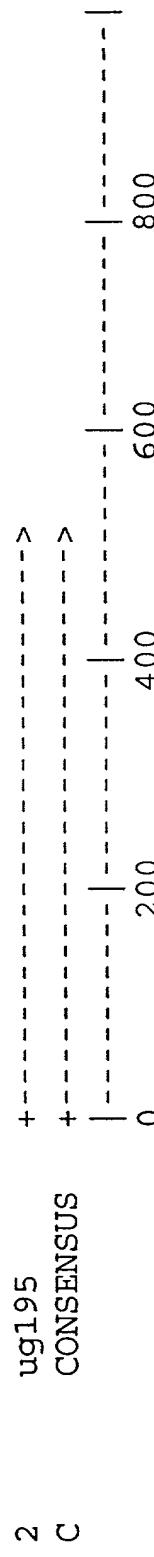
Contig: ug192rcon



Contig: ug194



Contig: ug195



Contig: ug197

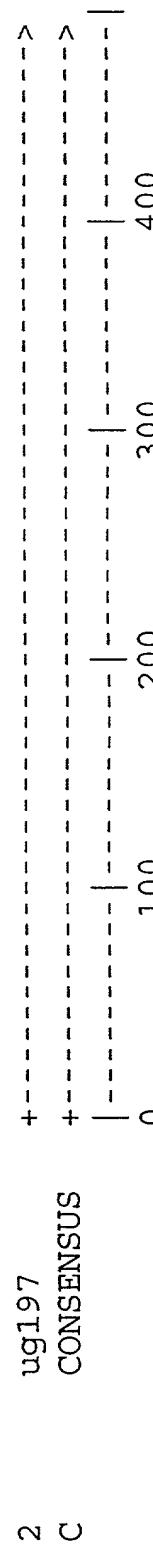
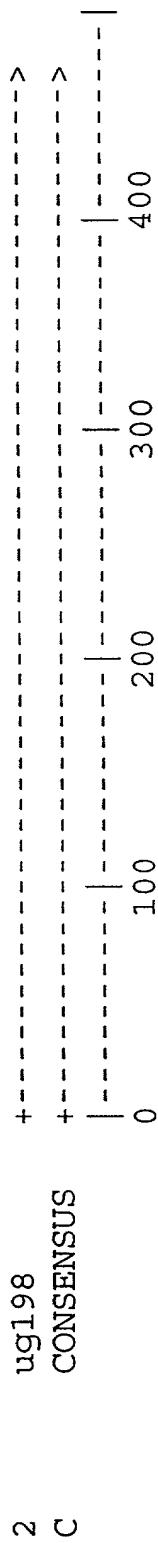


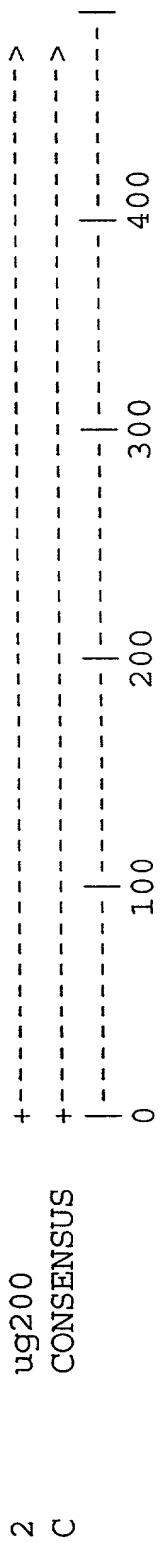
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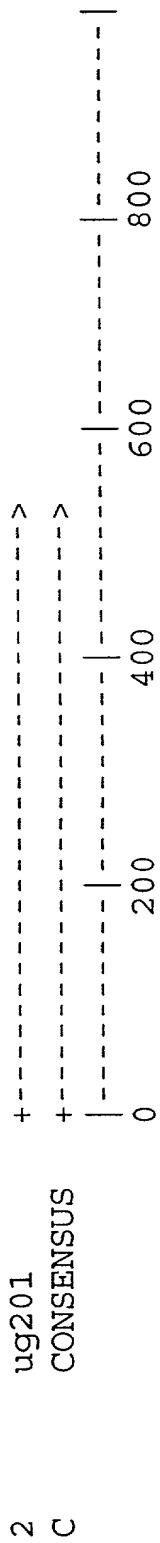
Contig: ug198



Contig: ug200



Contig: ug201



Contig: ug202

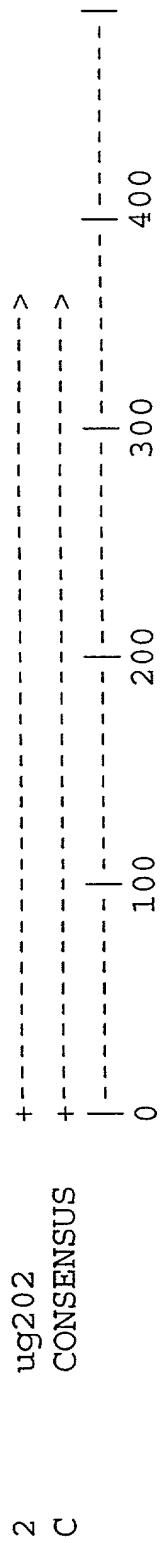
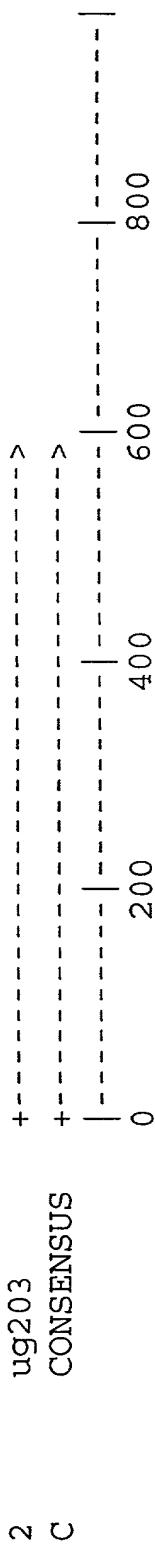


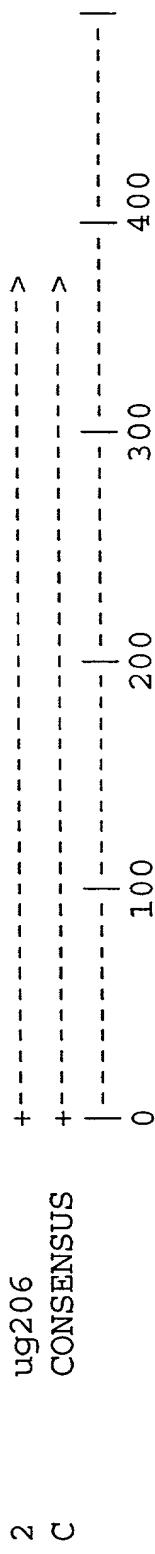
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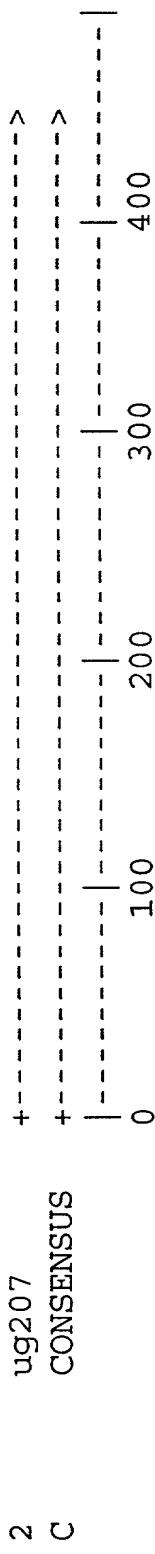
Contig: ug203



Contig: ug206



Contig: ug207



Contig: ug209

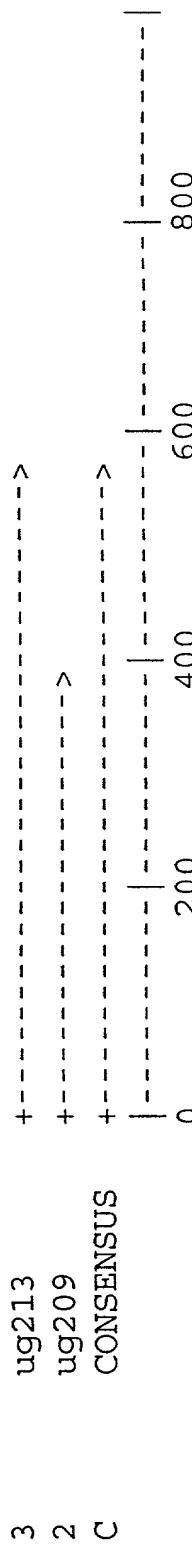
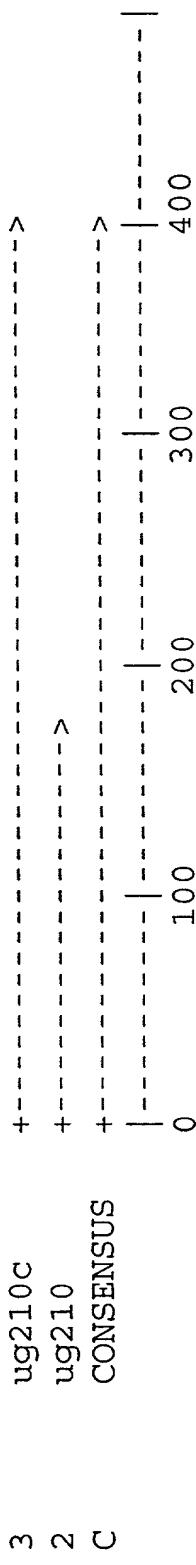


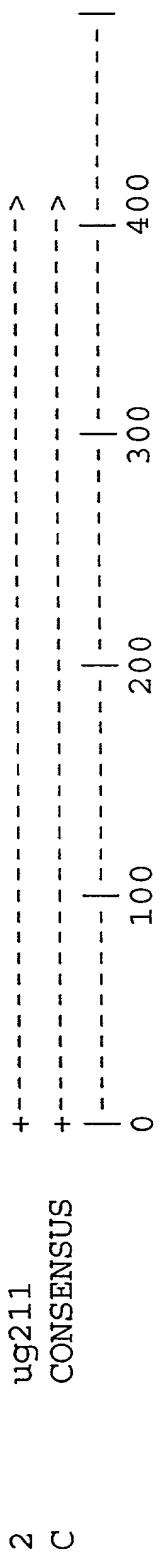
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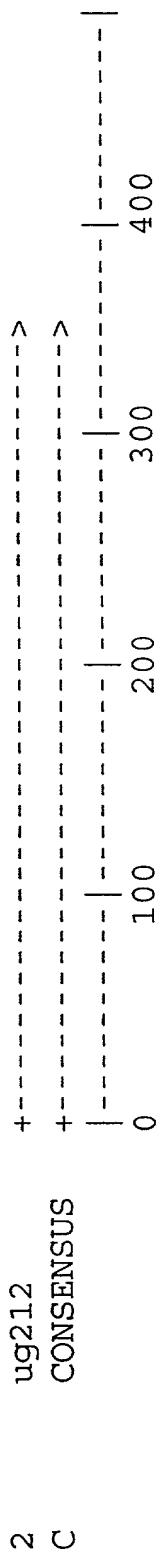
Contig: ug210



Contig: ug211



Contig: ug212



Contig: ug214

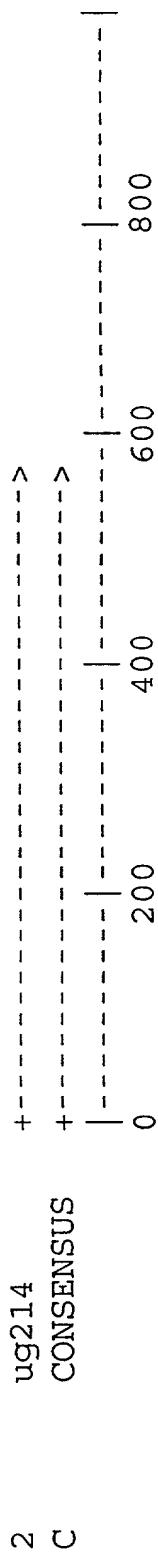
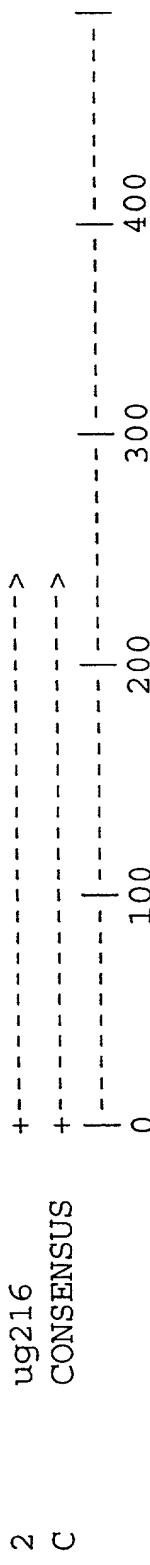


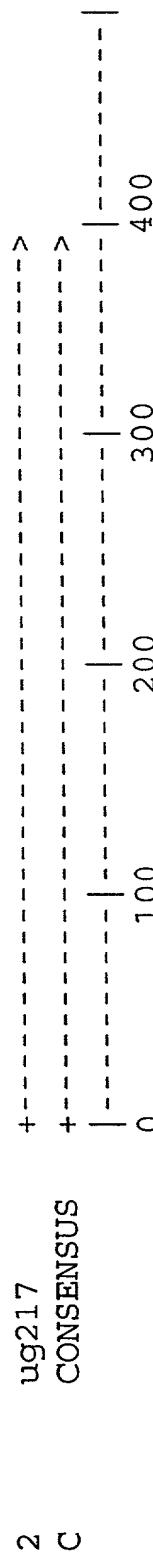
Fig. 8 - 60 of 180

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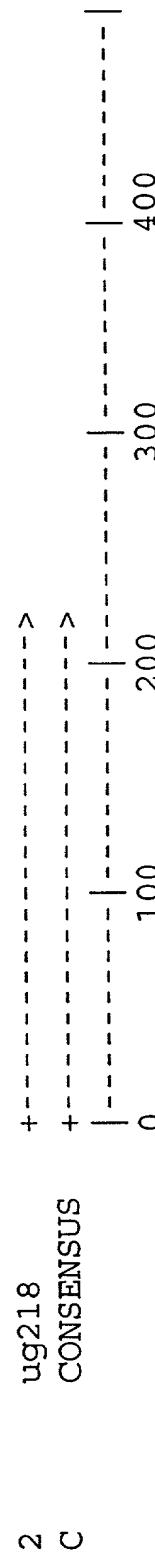
Contig: ug216



Contig: ug217



Contig: ug218



Contig: ug219

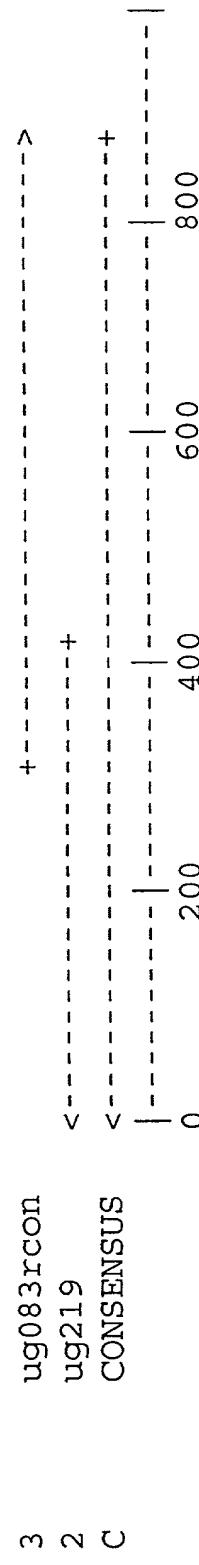
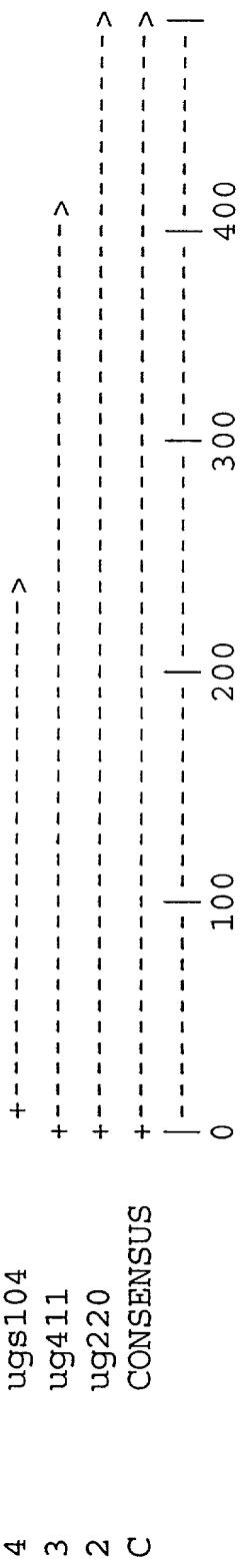


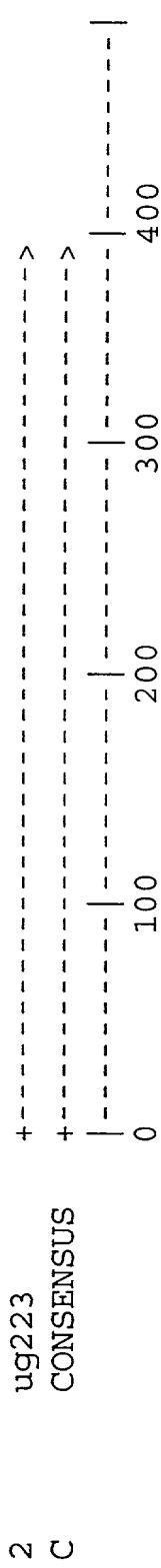
Fig. 8 - 61 of 180

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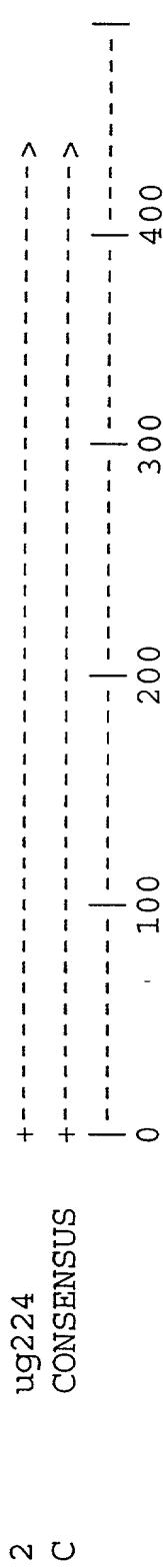
Contig: ug220



Contig: ug223



Contig: ug224



Contig: ug225

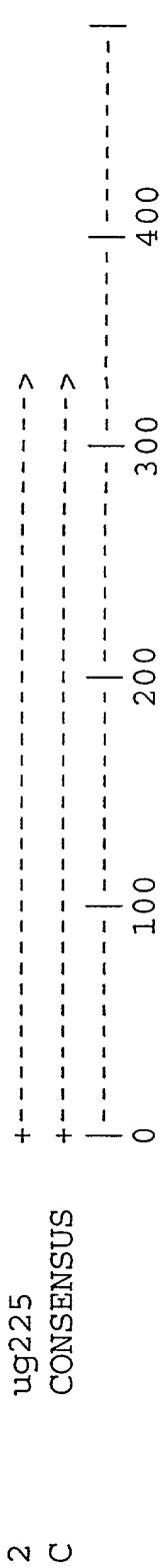
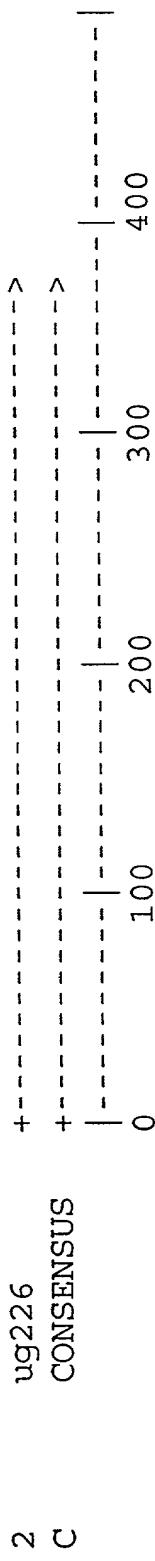


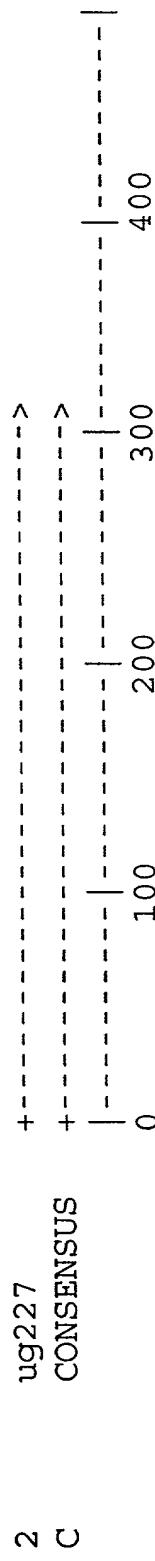
Fig. 8 - 62 of 180

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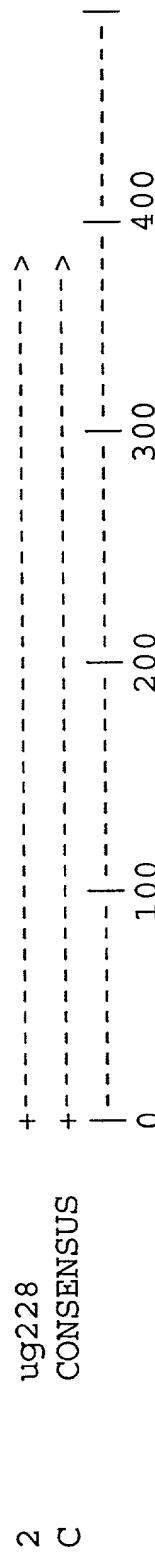
Contig: ug226



Contig: ug227



Contig: ug228



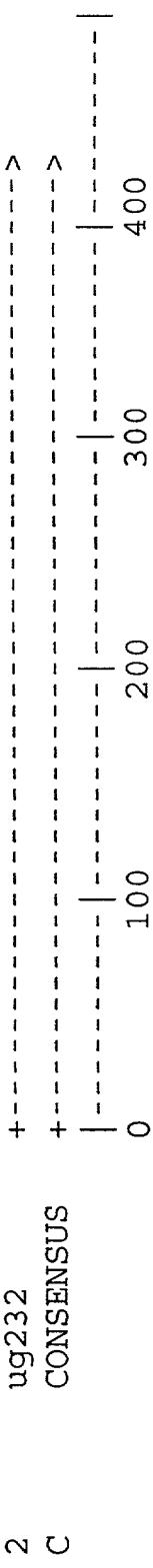
Contig: ug229



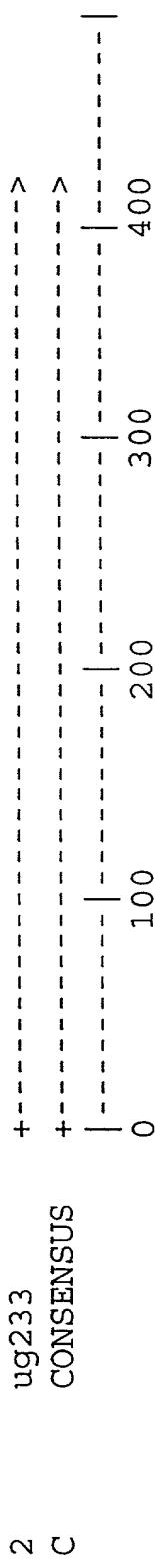
Fig. 8 - 63 of 180

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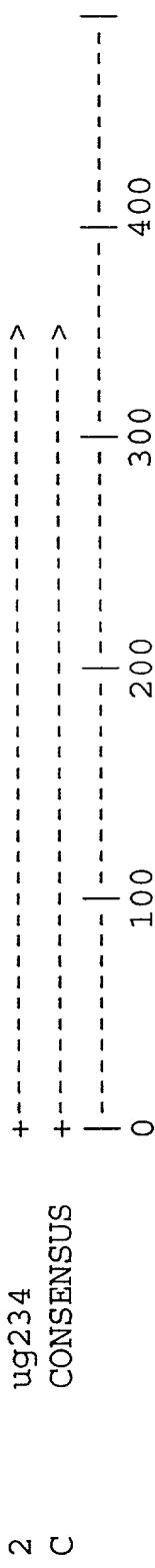
Contig: ug232



Contig: ug233



Contig: ug234



Contig: ug237

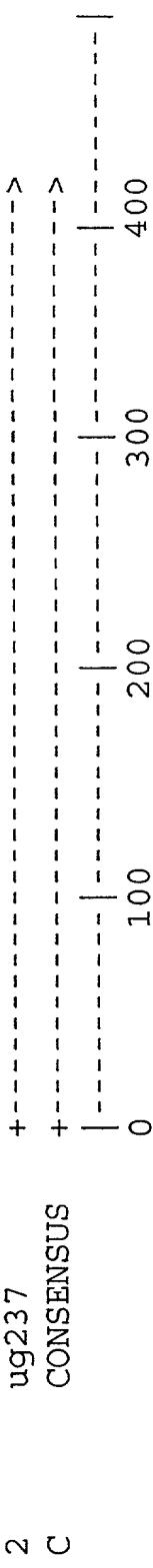


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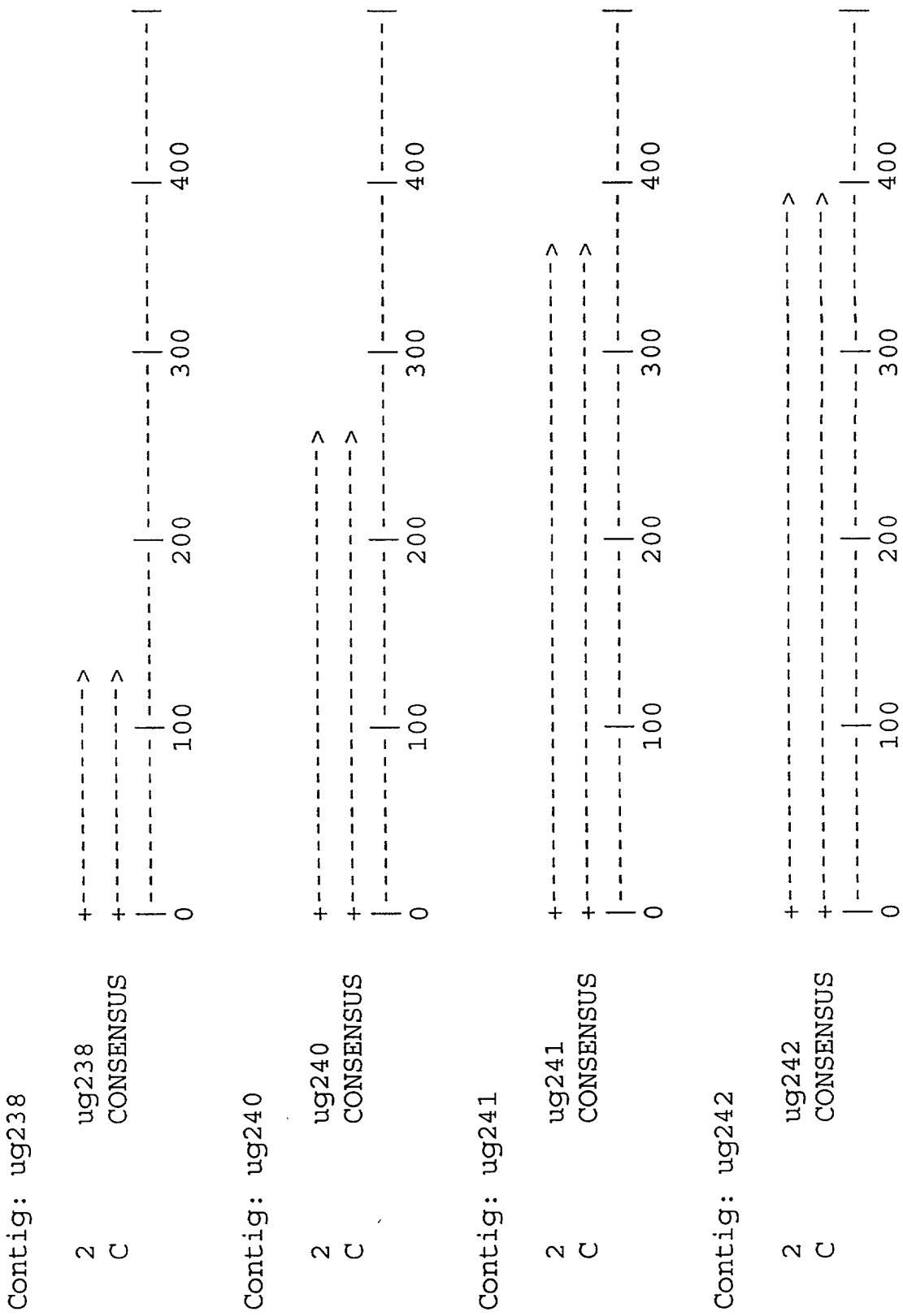
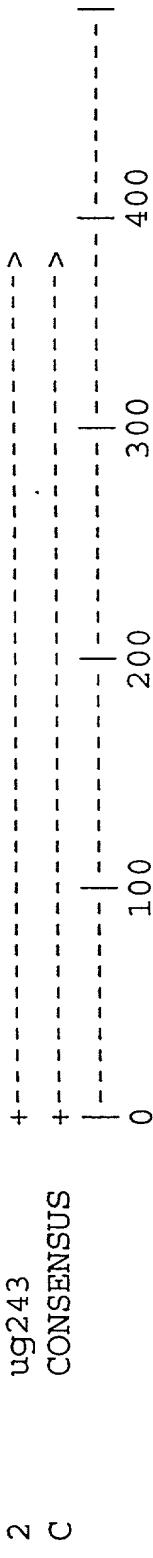


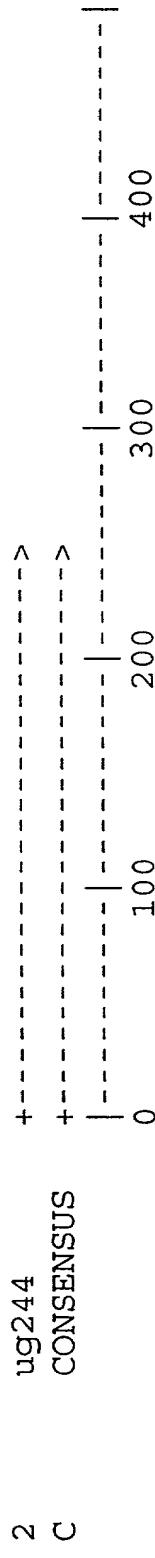
Fig. 8 - 65 of 180

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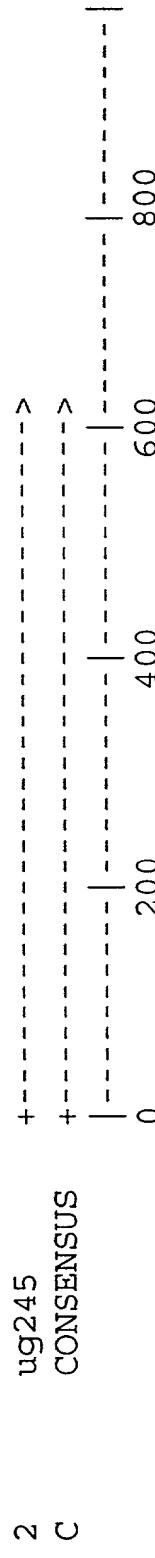
Contig: ug243



Contig: ug244



Contig: ug245



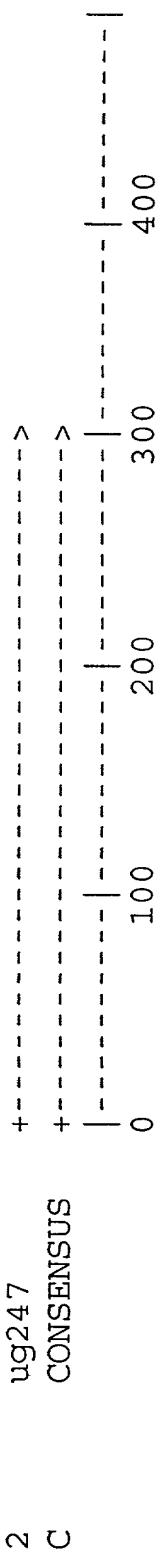
Contig: ug246



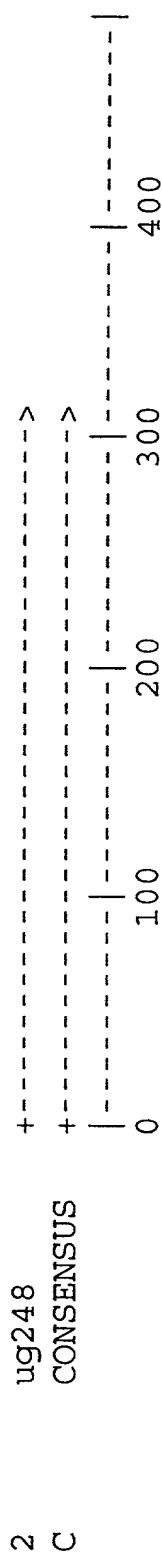
Fig. 8 - 66 of 180

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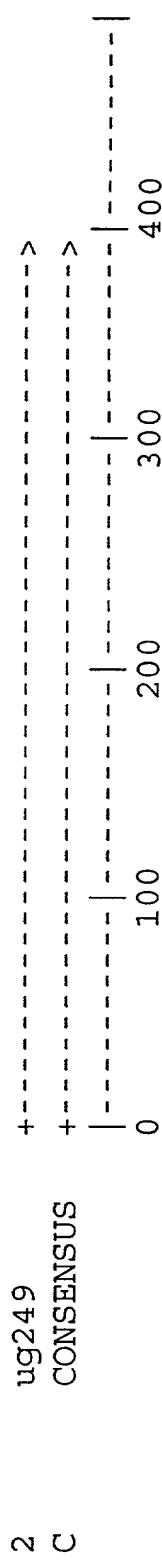
Contig: ug247



Contig: ug248



Contig: ug249



Contig: ug250

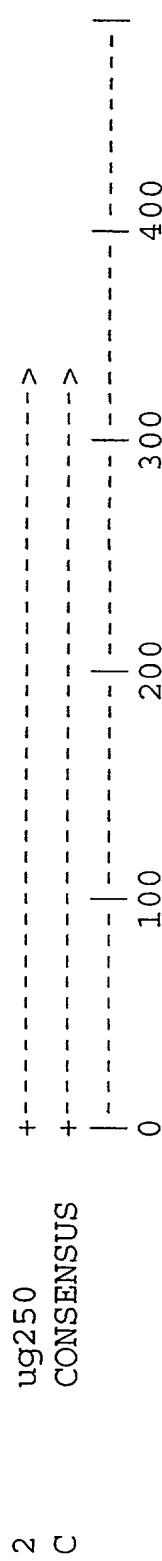
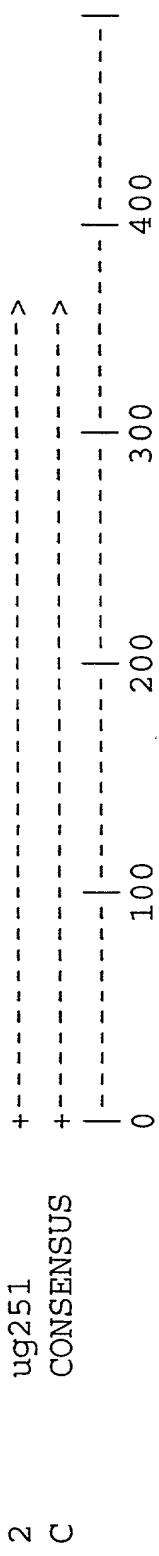


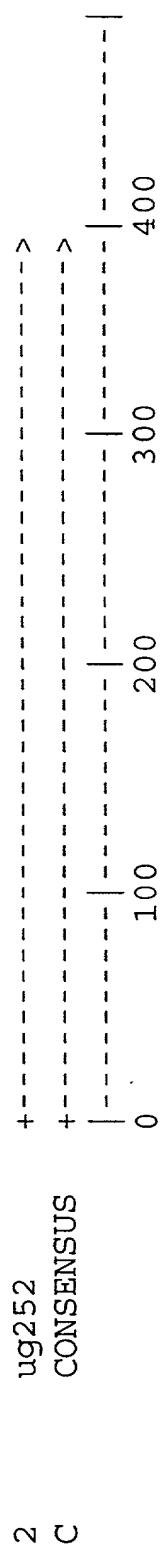
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Contig: ug251



Contig: ug252



Contig: ug253



Contig: ug254

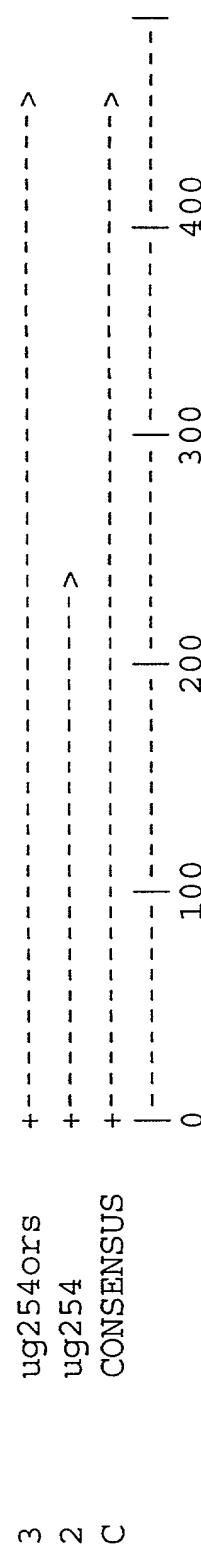
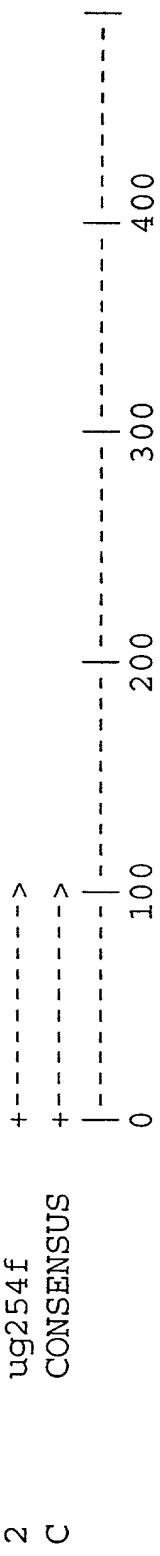


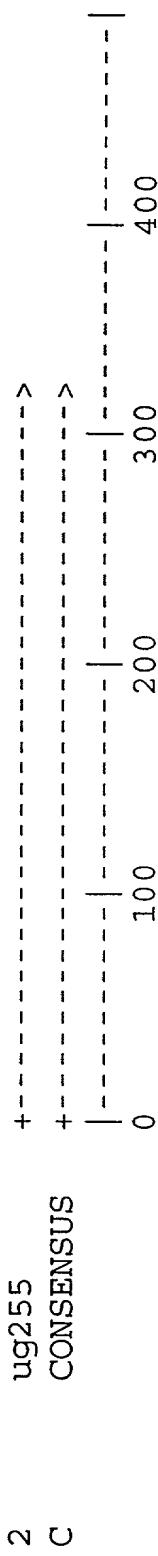
Fig. 8 - 68 of 180

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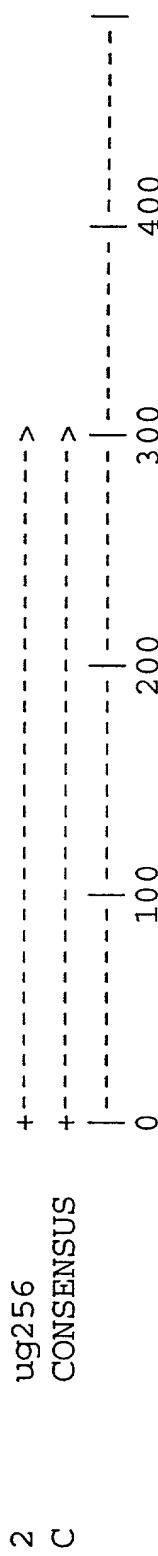
Contig: ug254f



Contig: ug255



Contig: ug256



Contig: ug257

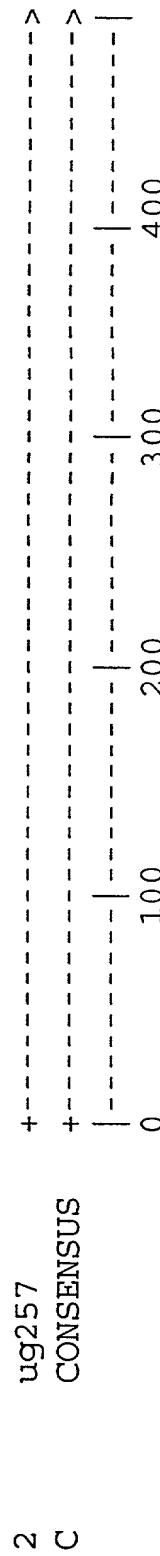
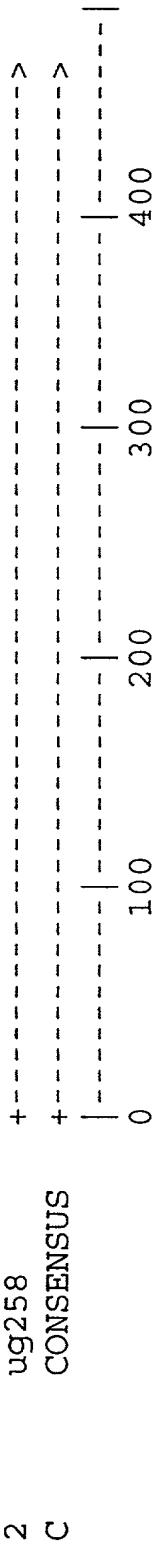


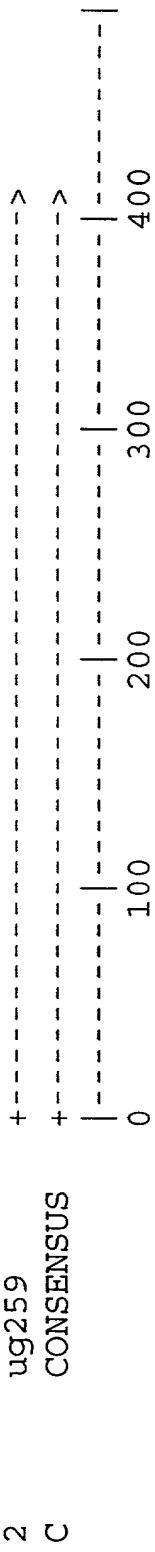
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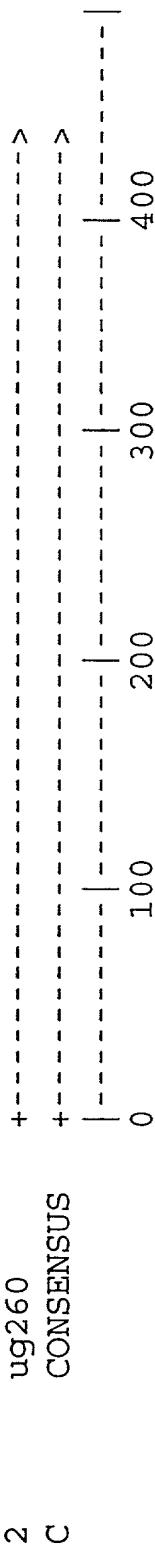
Contig: ug258



Contig: ug259



Contig: ug260



Contig: ug261

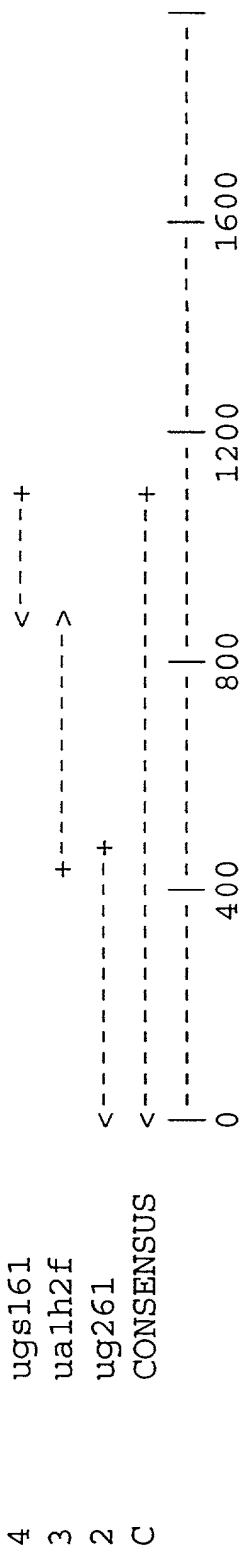
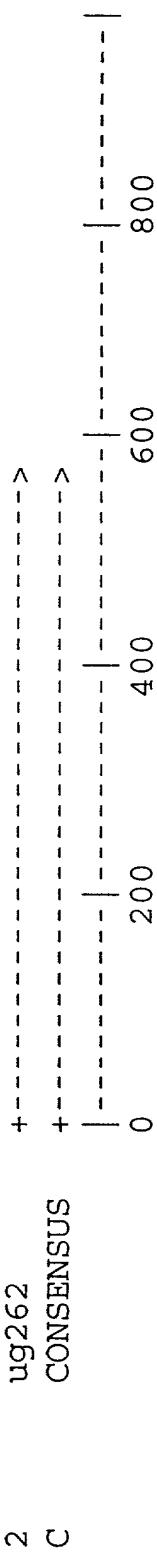


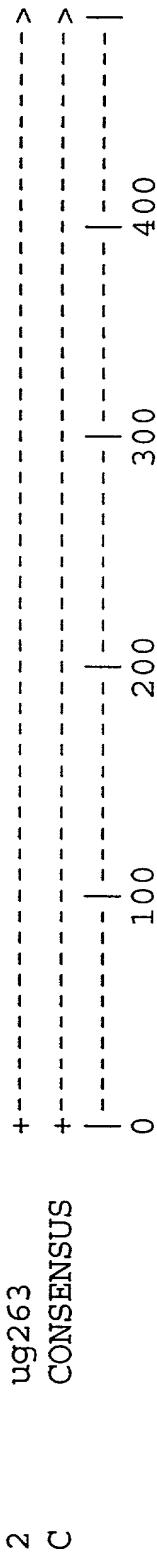
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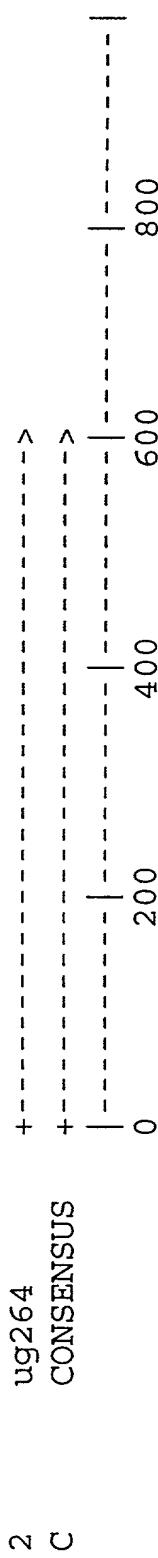
Contig: ug262



Contig: ug263



Contig: ug264



Contig: ug265

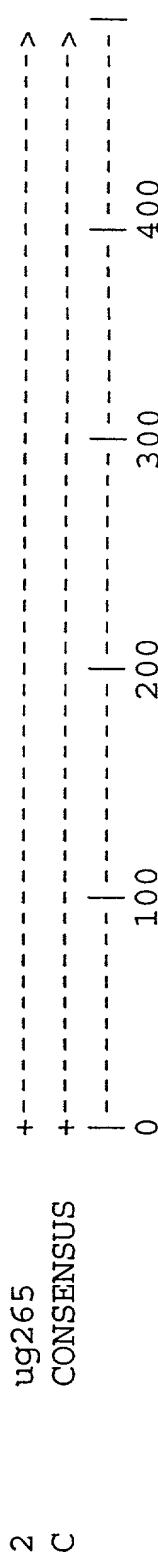


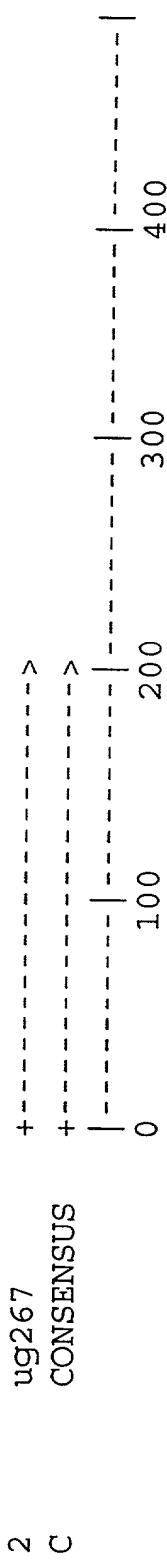
Fig. 8 - 71 of 180

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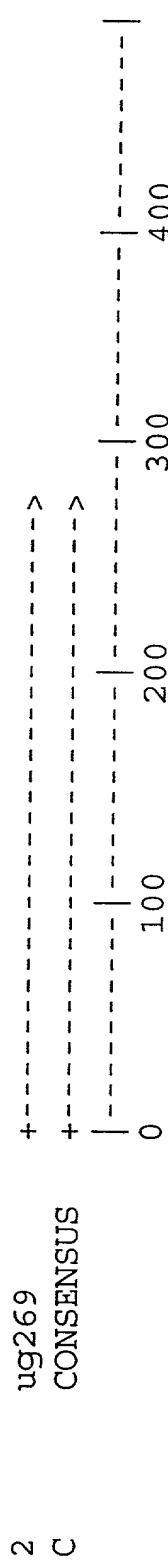
Contig: ug266



Contig: ug267



Contig: ug269



Contig: ug270

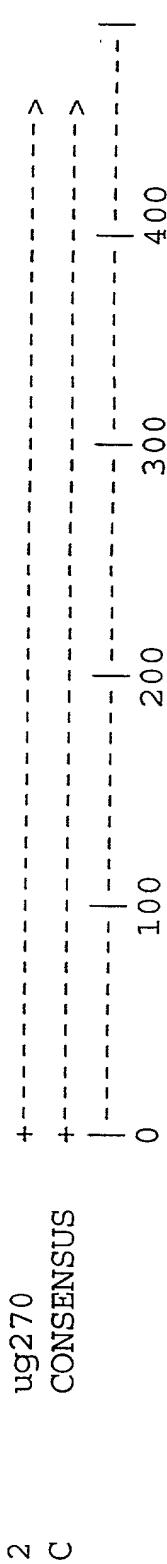
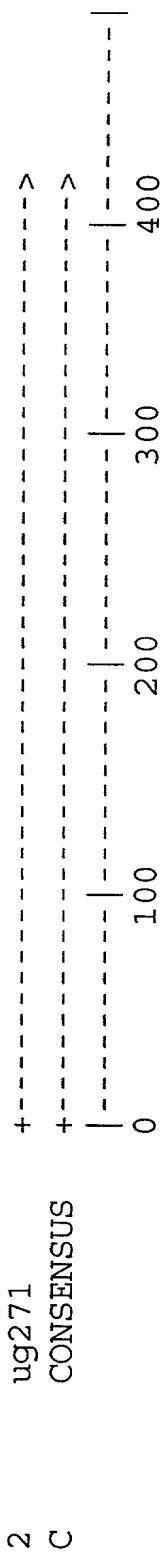


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Contig: ug271



Contig: ug272



Contig: ug273



Contig: ug274

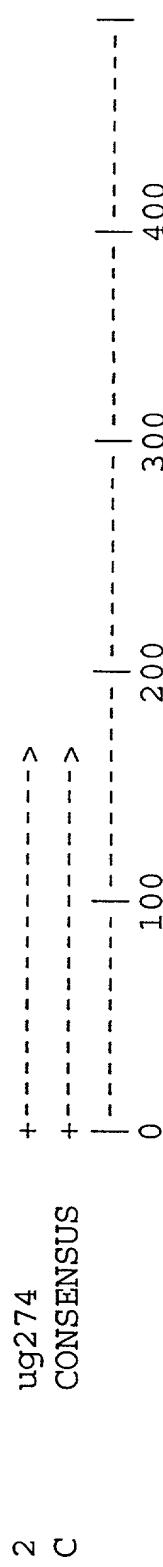


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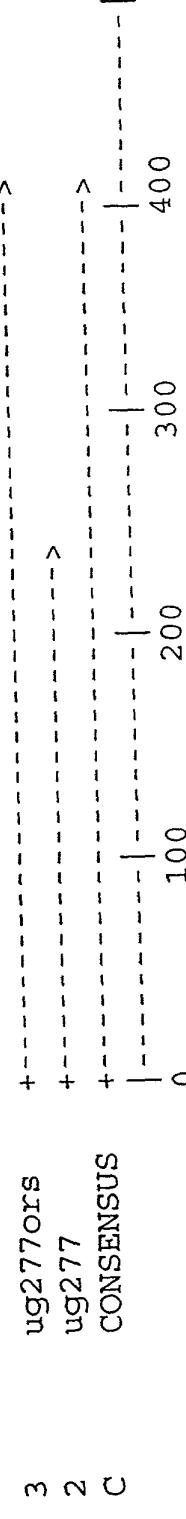
Contig: ug275



Contig: ug276



Contig: ug277



Contig: ug277f

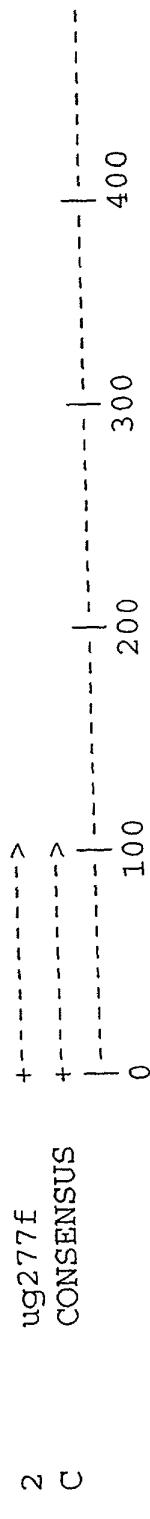
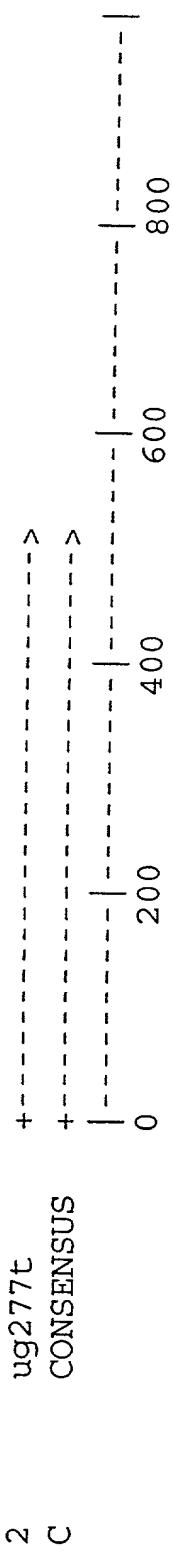


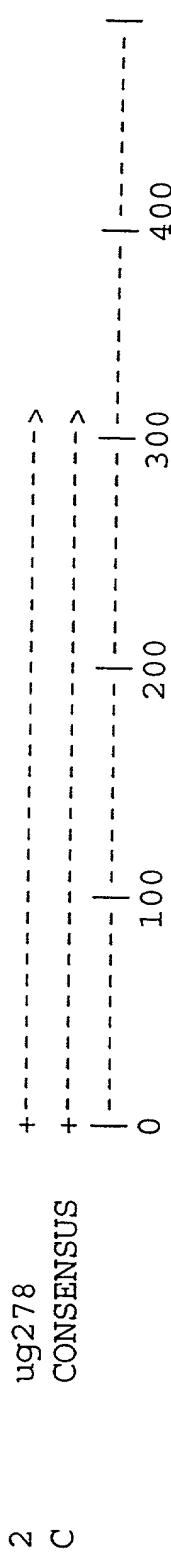
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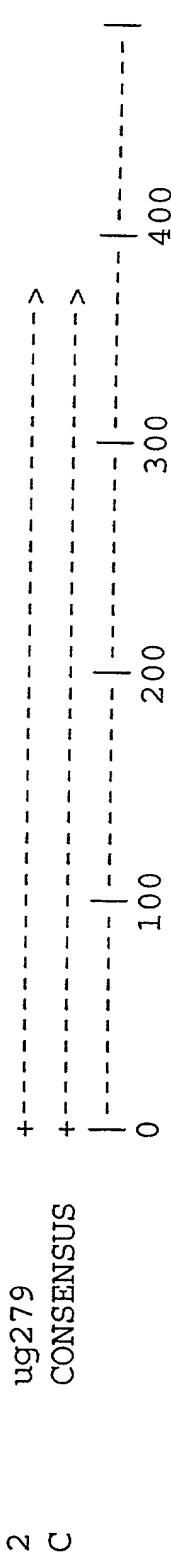
Contig: ug277t



Contig: ug2778



Contig: ug2779



Contig: ug2780

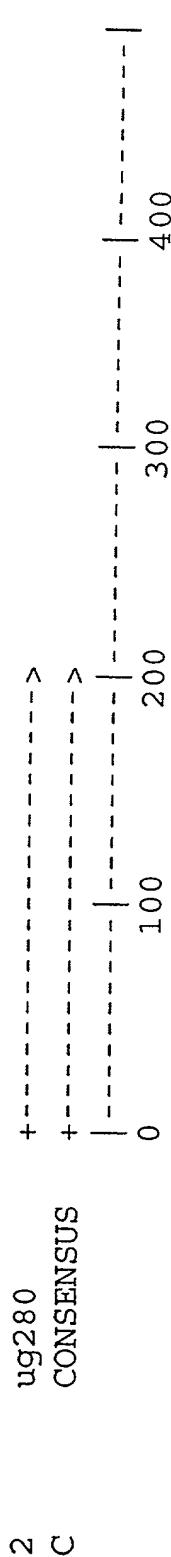
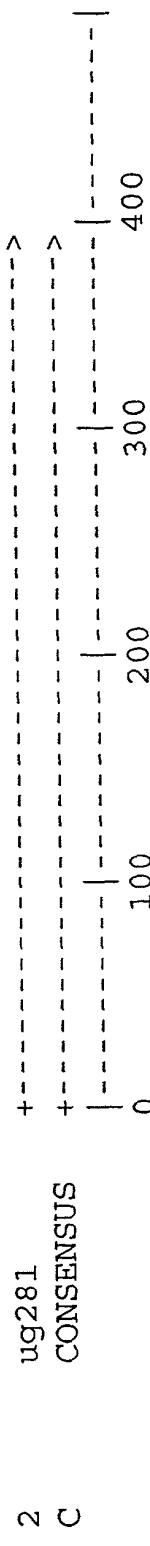


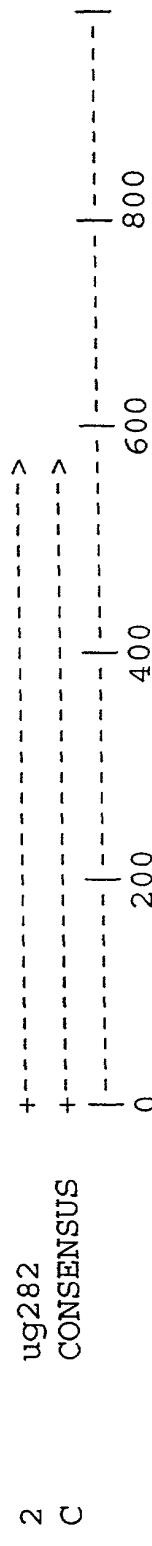
Fig. 8 - 75 of 180

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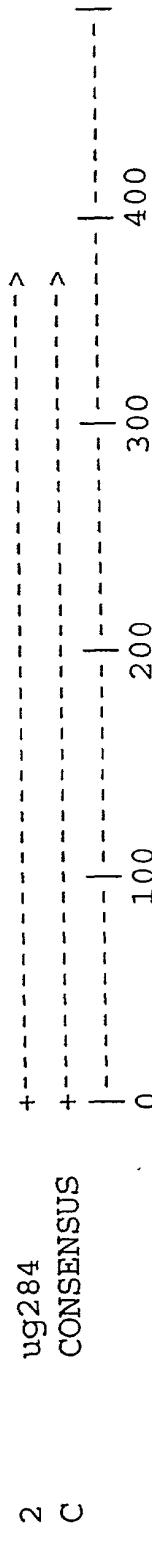
Contig: ug281



Contig: ug282



Contig: ug284



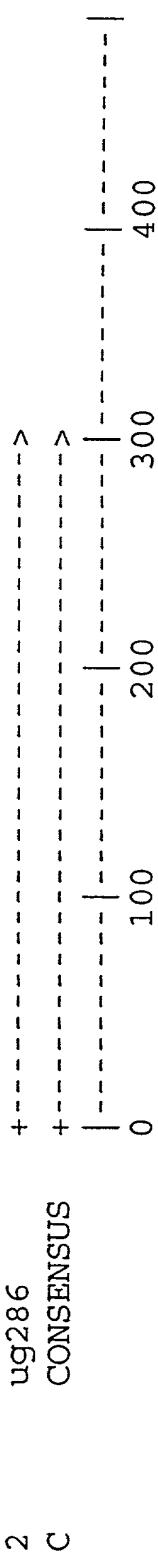
Contig: ug285



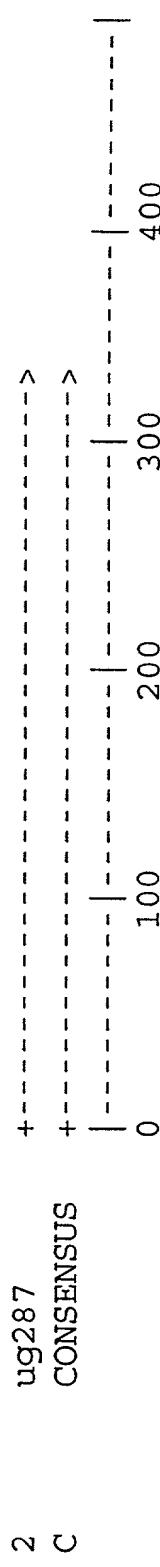
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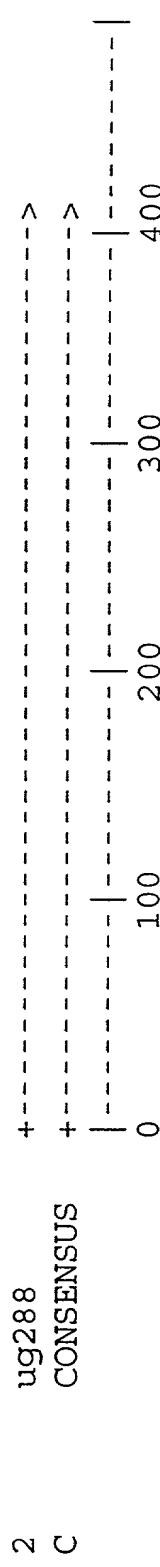
Contig: ug286



Contig: ug287



Contig: ug288



Contig: ug289

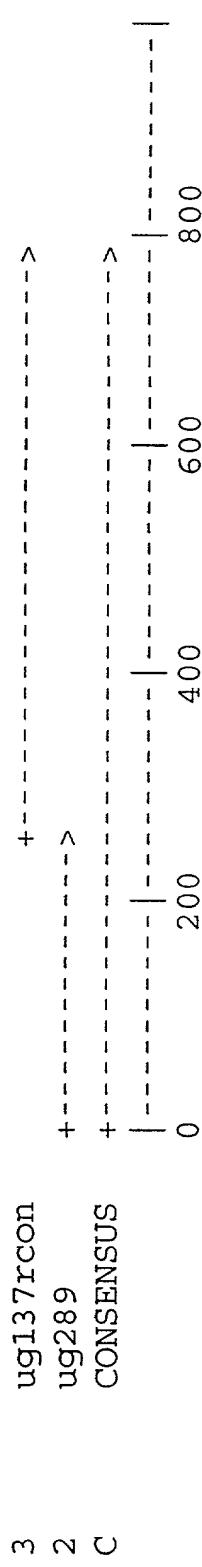
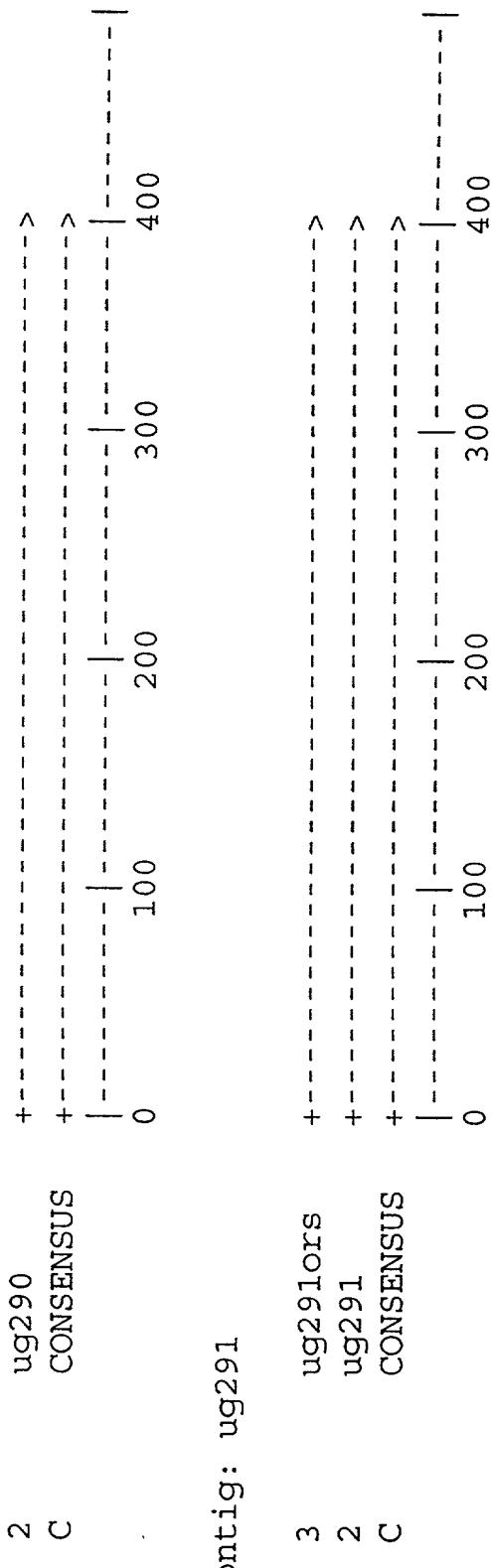


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Contig: ug290



Contig: ug291ft

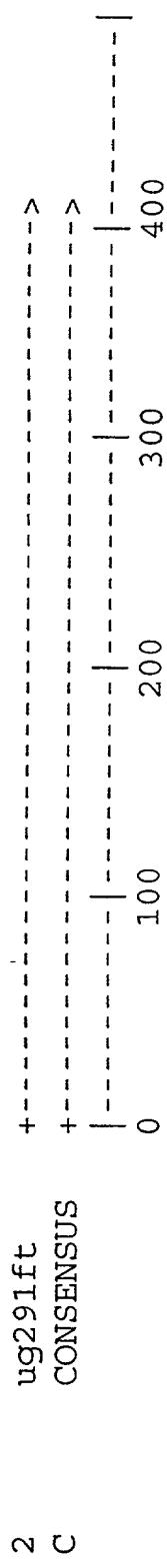
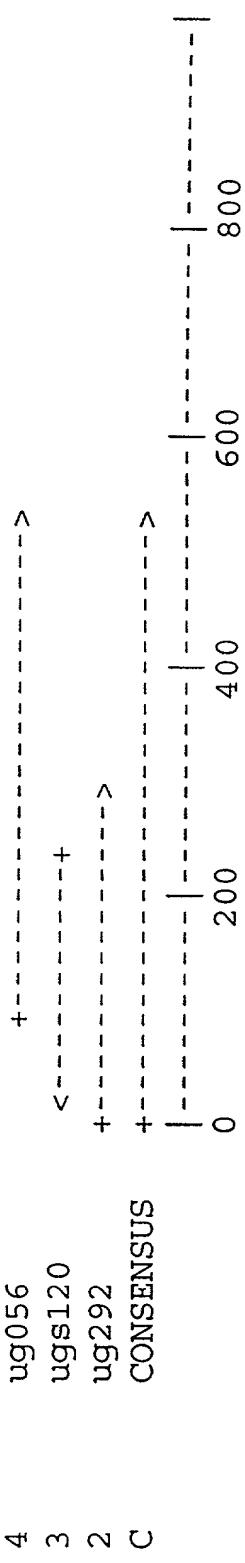


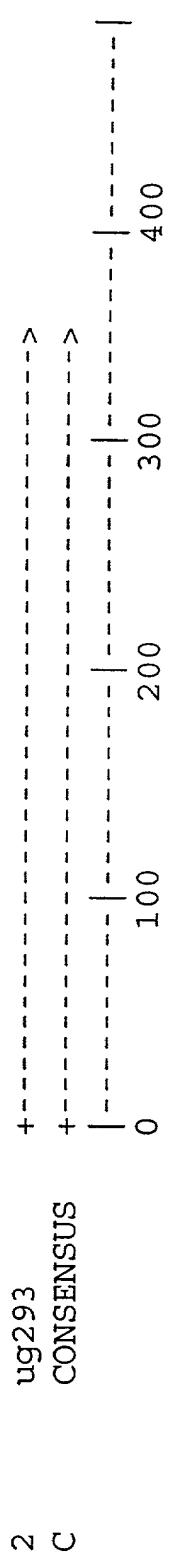
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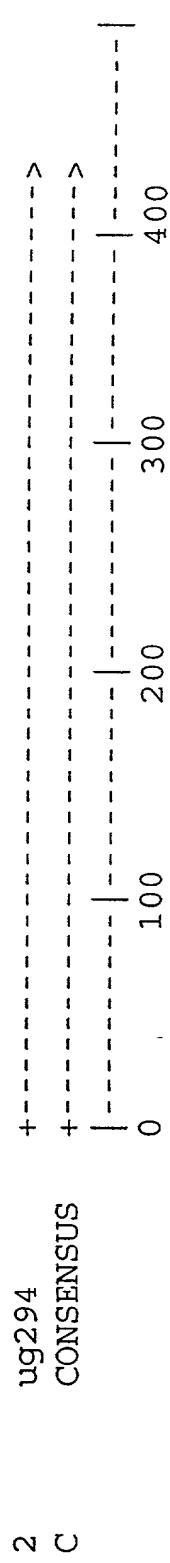
Conting: ug292



Contig: ug293



Contig: ug294



Conting : ug295

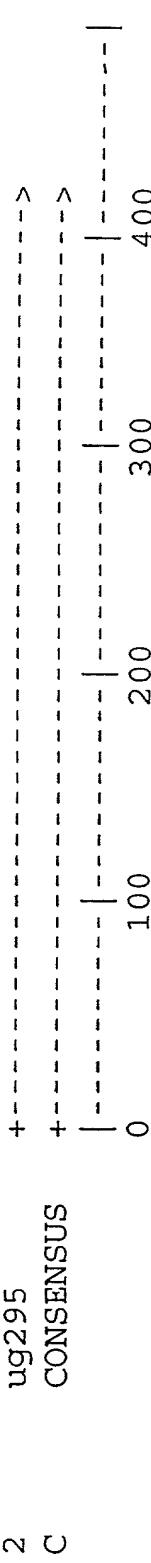
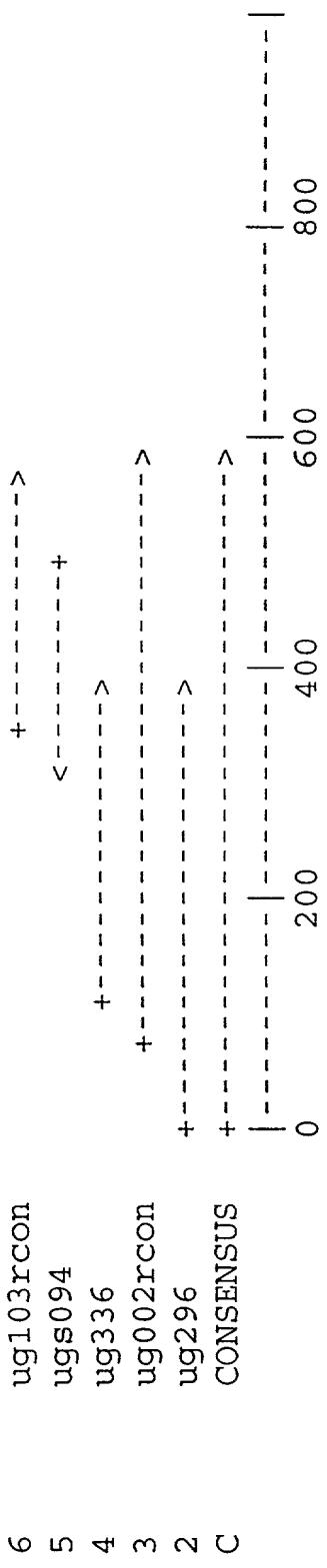


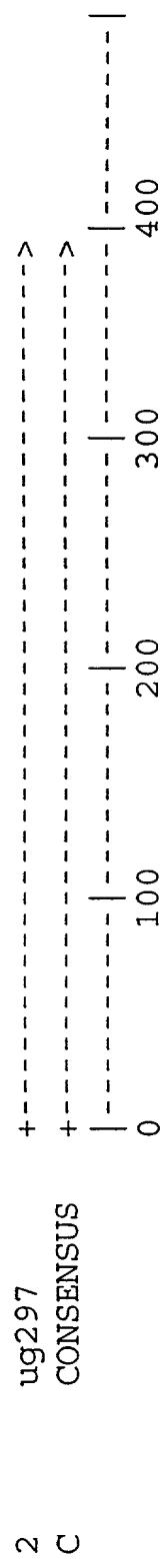
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Contig: ug296



Contig: ug297



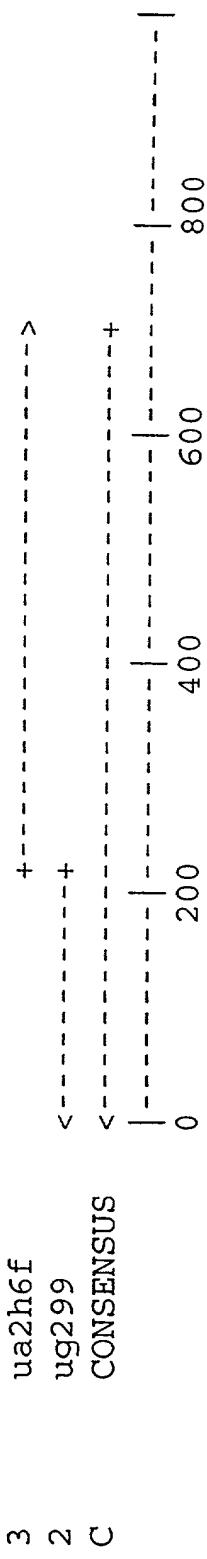
Contig: ug298



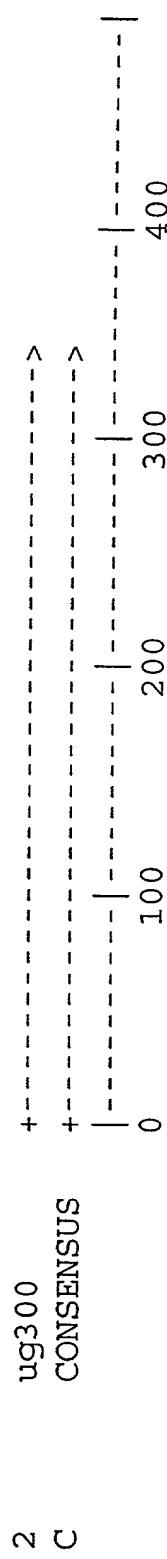
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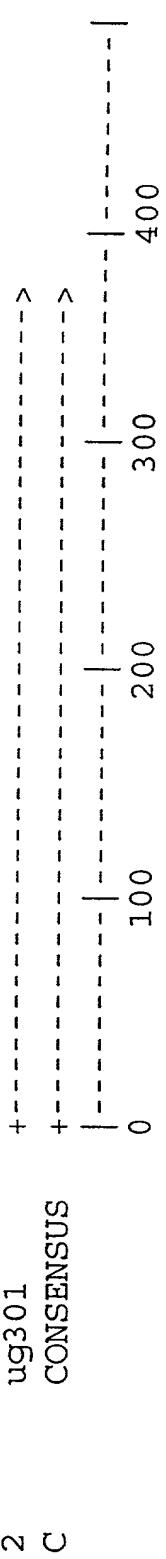
Contig: ug299



Contig: ug300



Contig: ug301



Contig: ug303

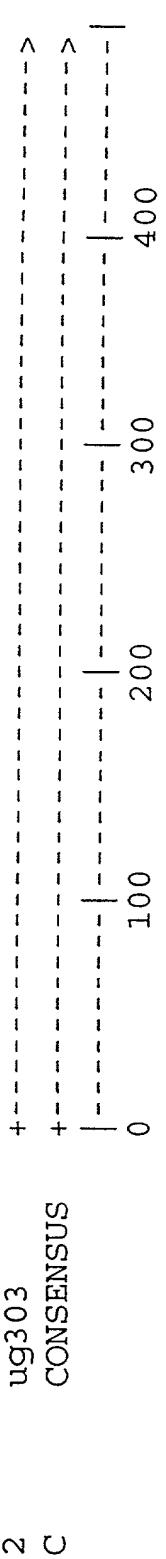


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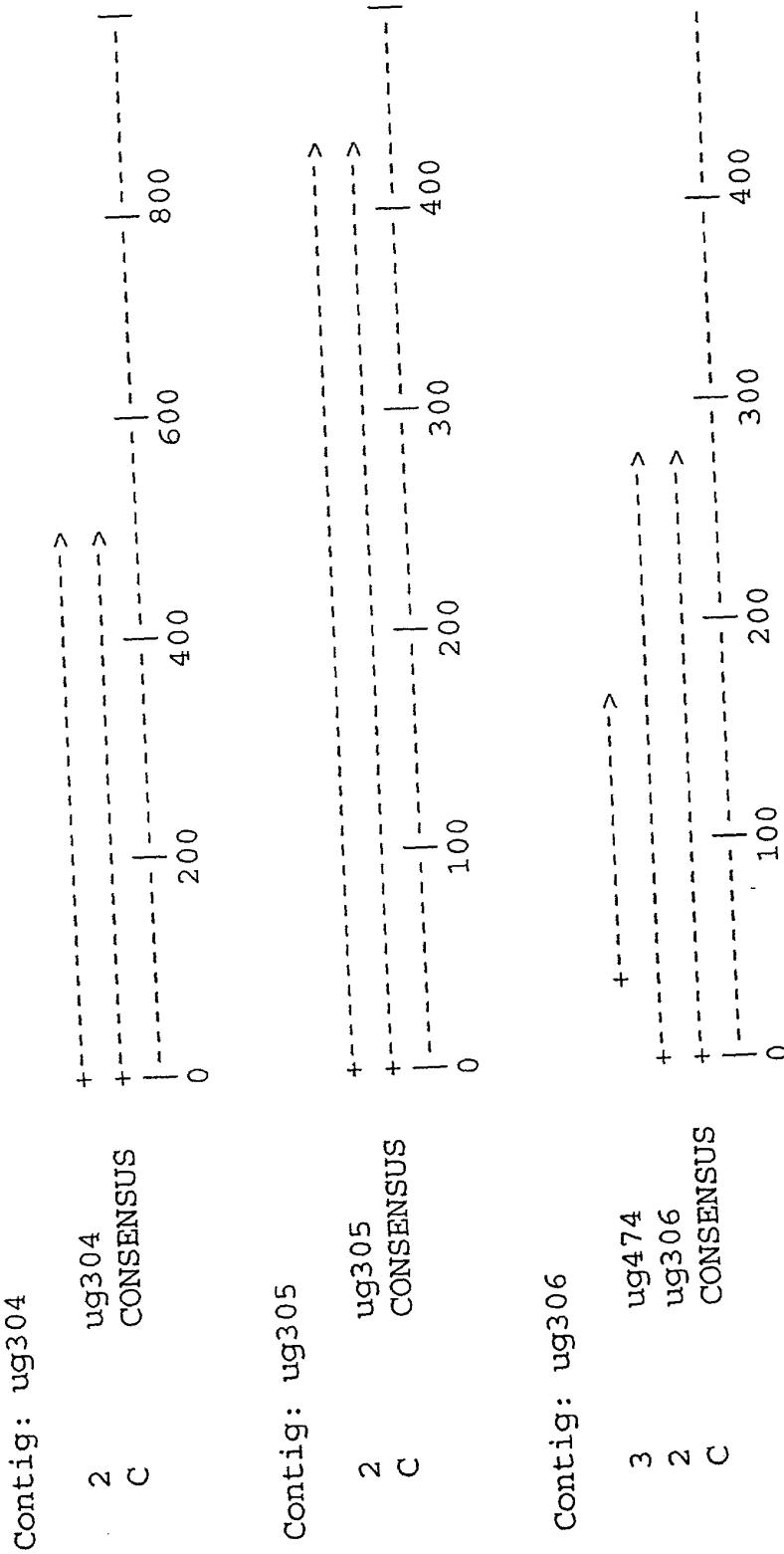


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Contig: ug307

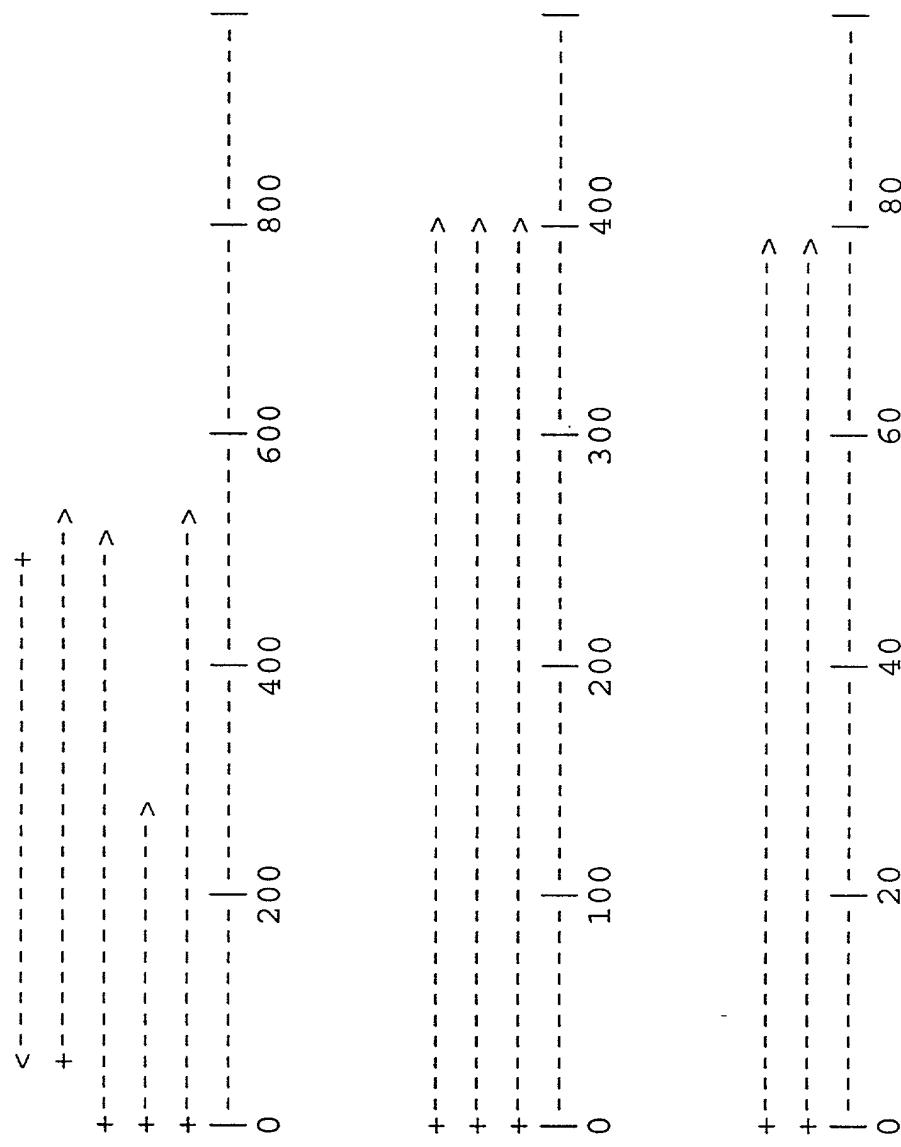
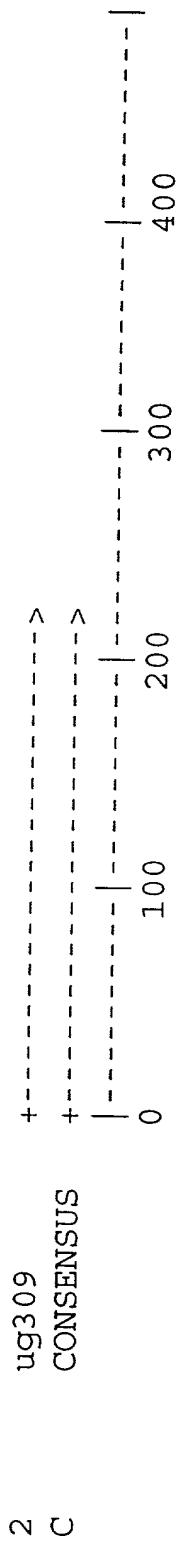


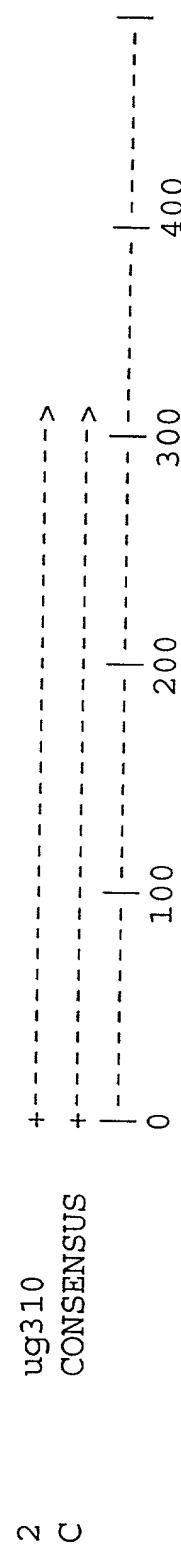
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351/472

Contig: ug309



Contig: ug310



Contig: ug311ins+5race

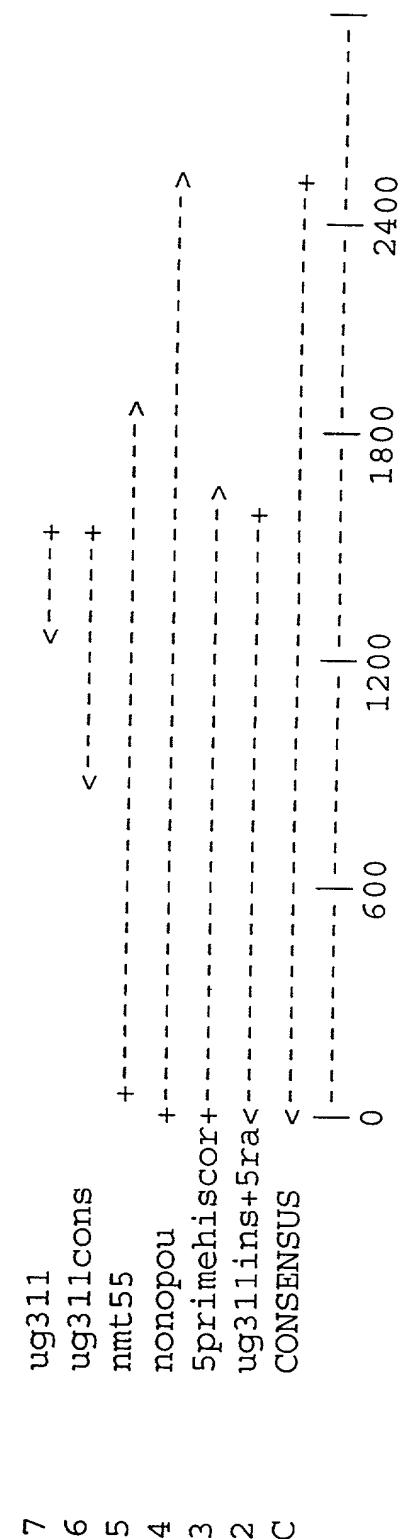
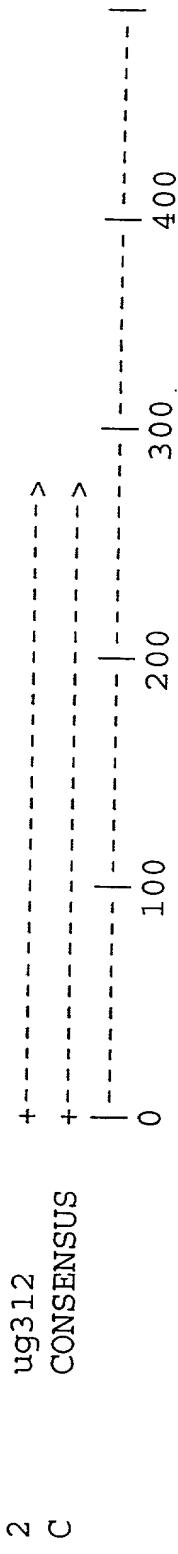


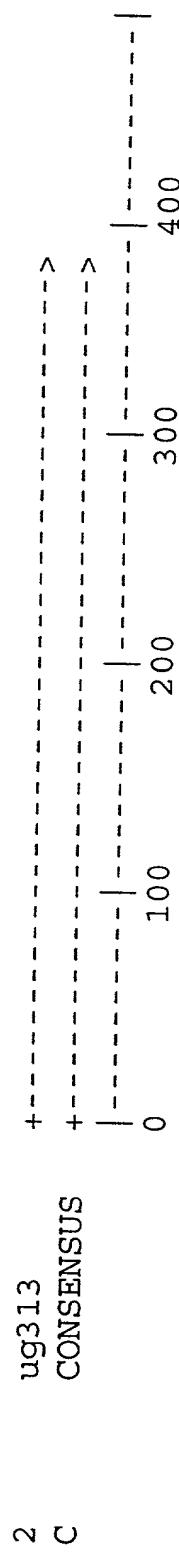
Fig. 8 - 84 of 180

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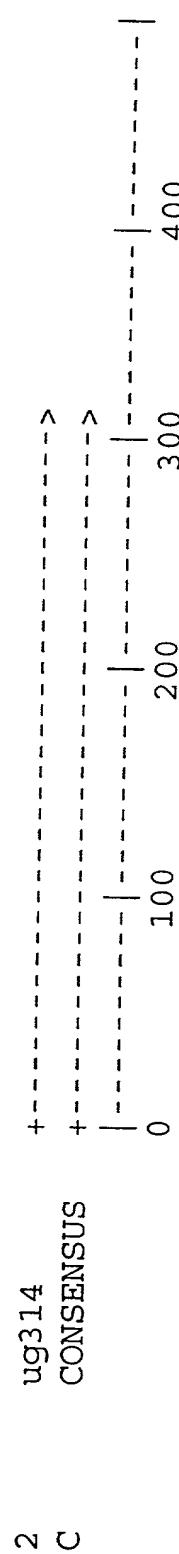
Contig: ug312



Contig: ug313



Contig: ug314



Contig: ug316



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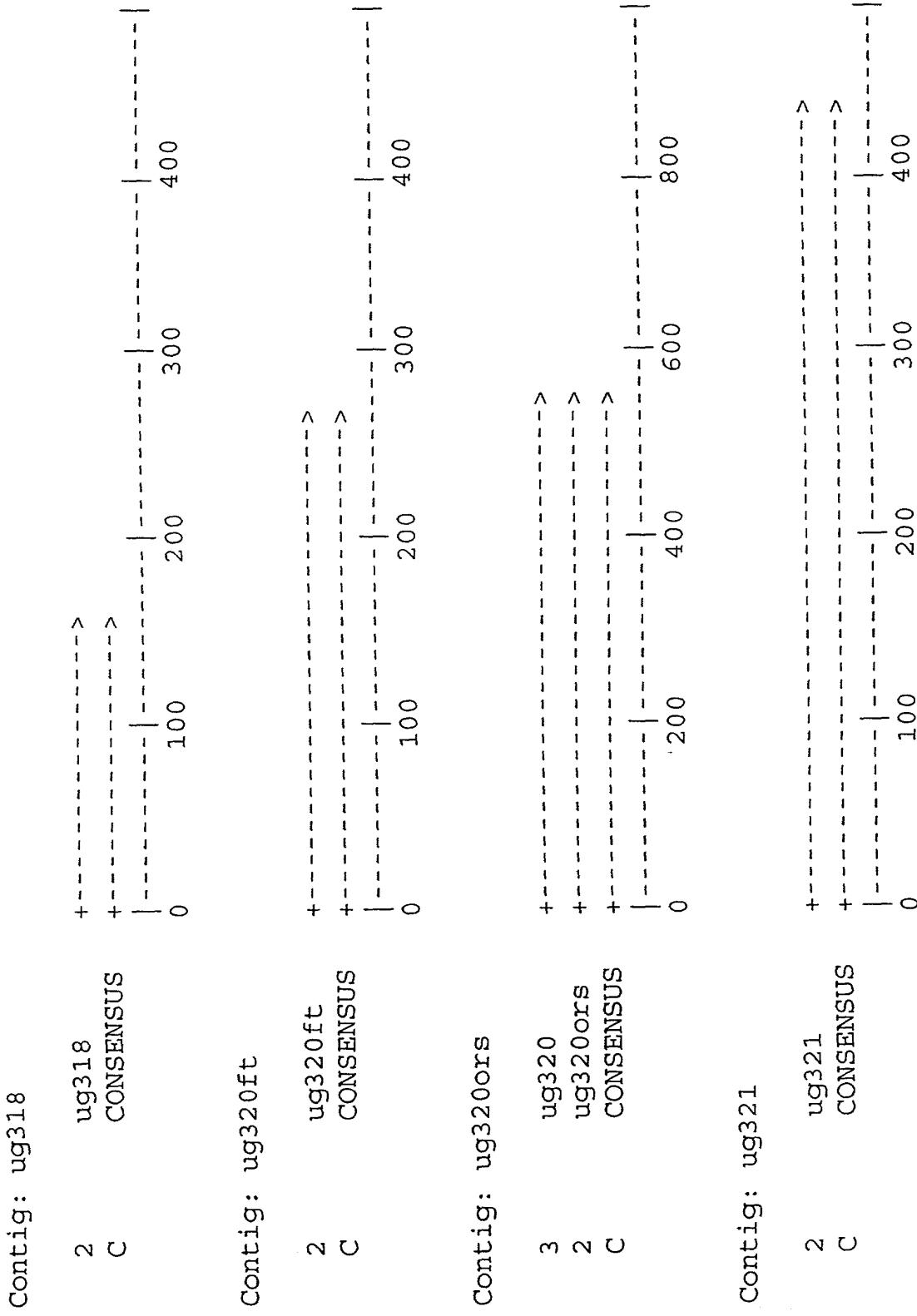
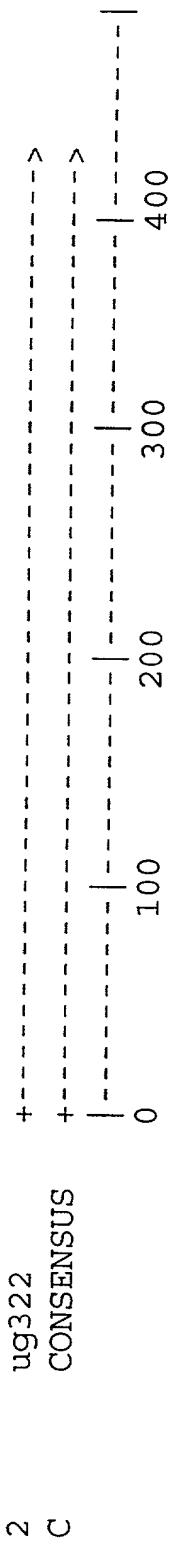


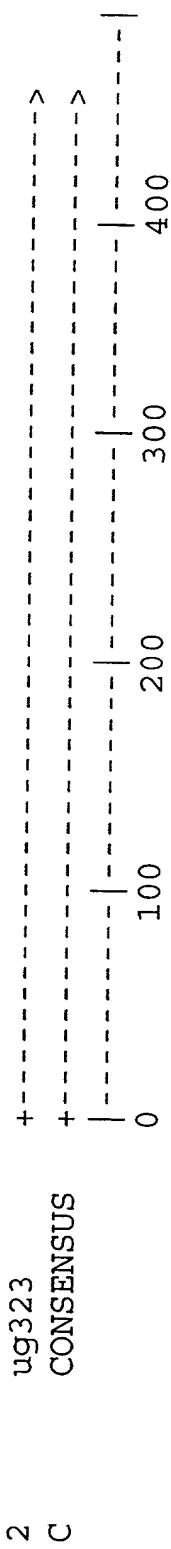
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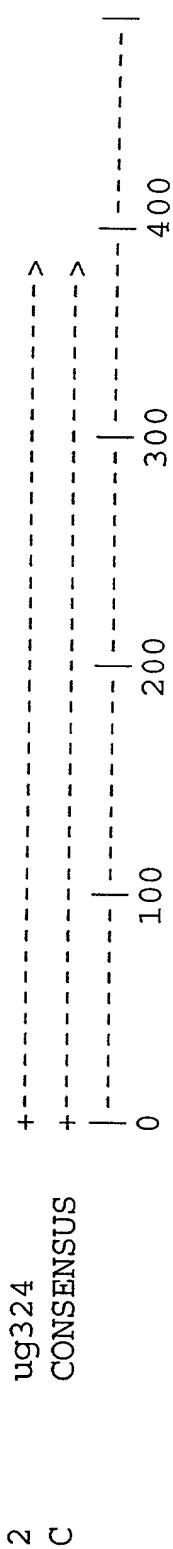
Contig: ug322



Contig: ug323



Contig: ug324



Contig: ug325

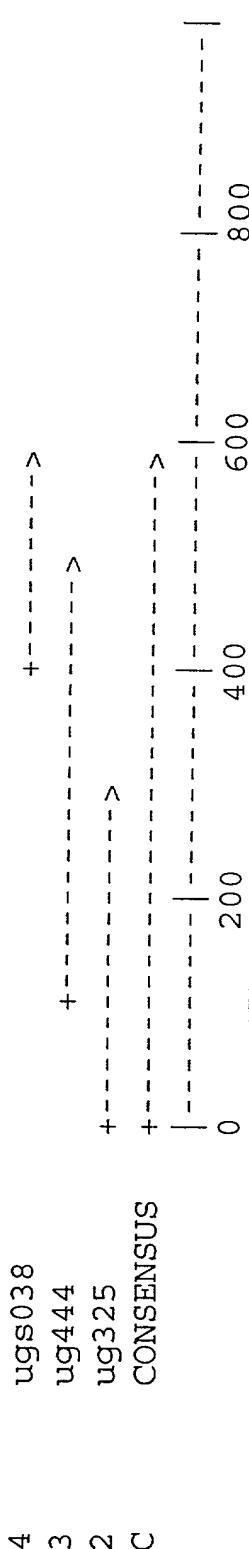
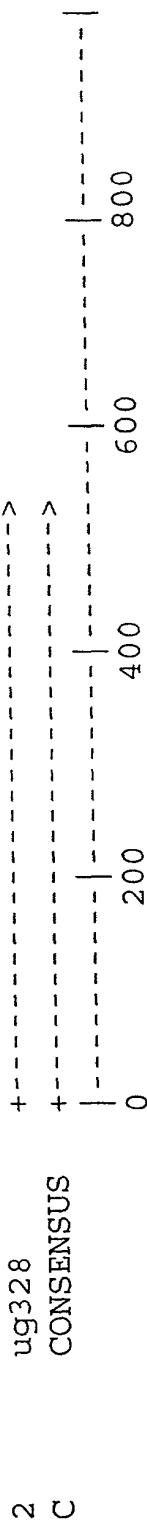


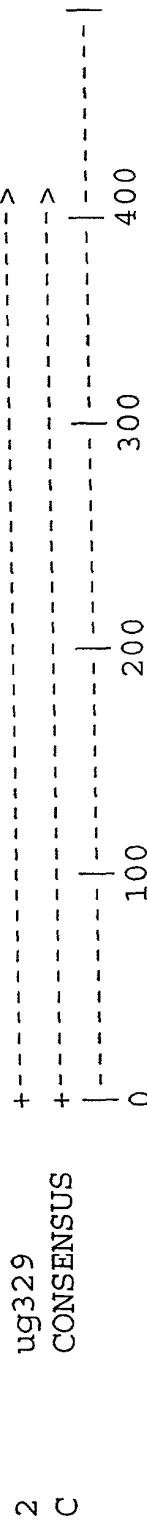
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Contig: ug328



Contig: ug329



Contig: ug330



Contig: ug331

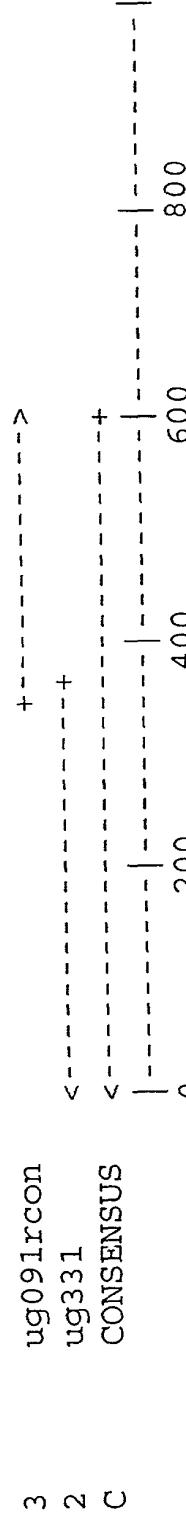


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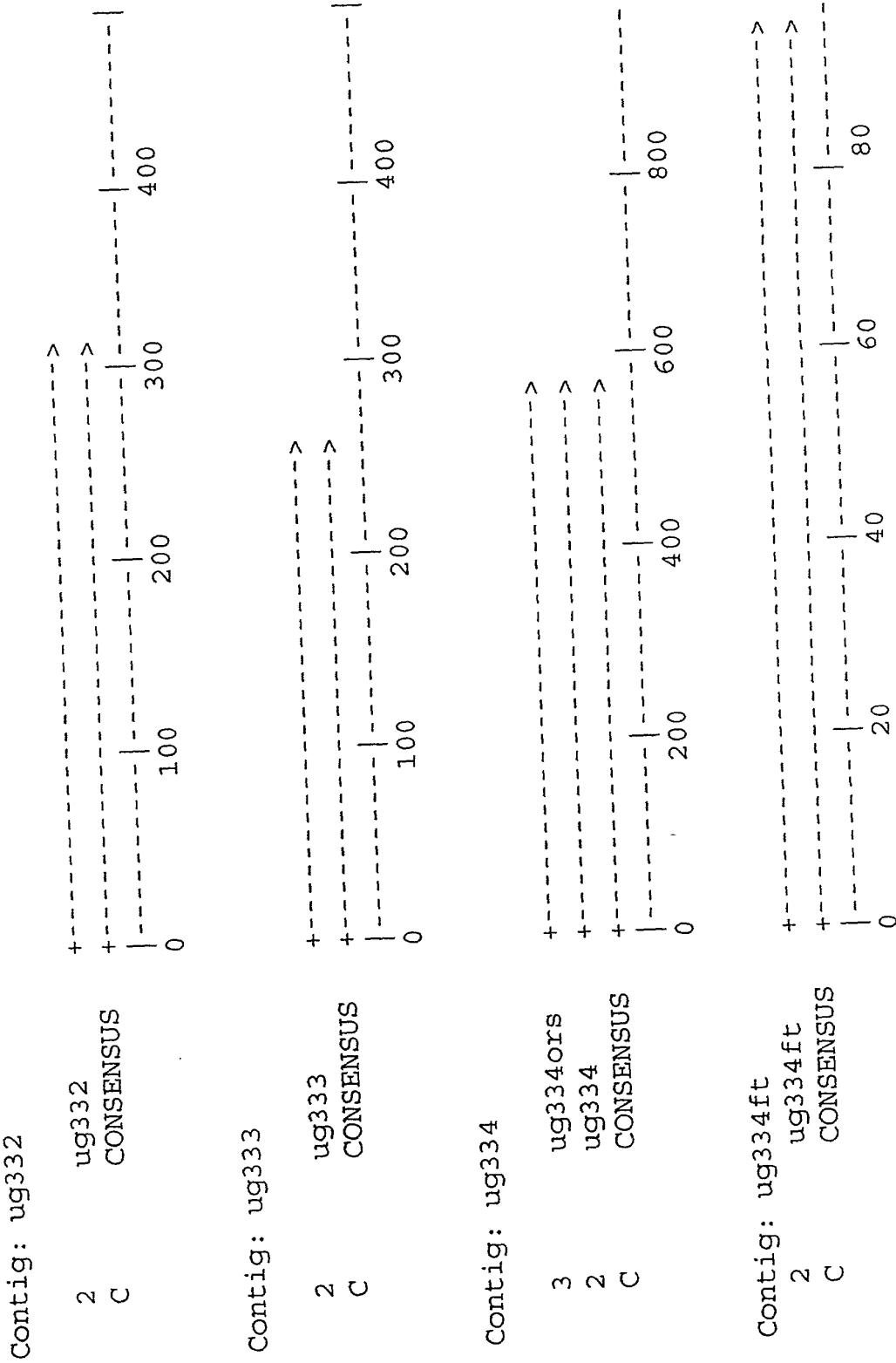
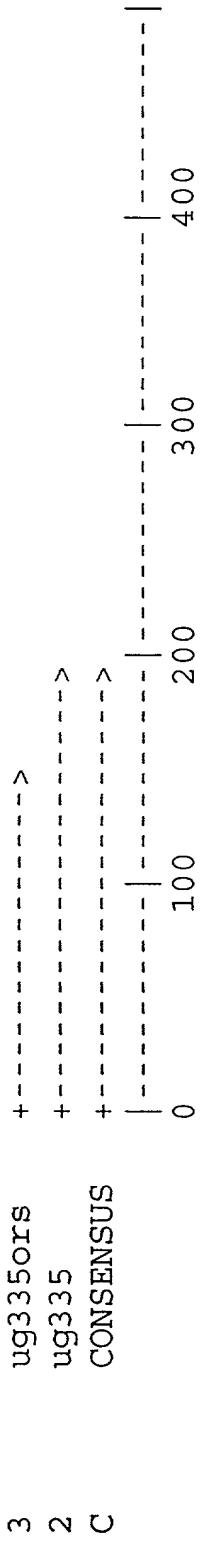


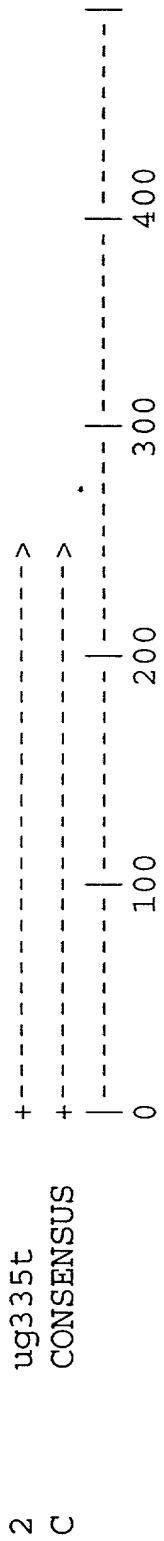
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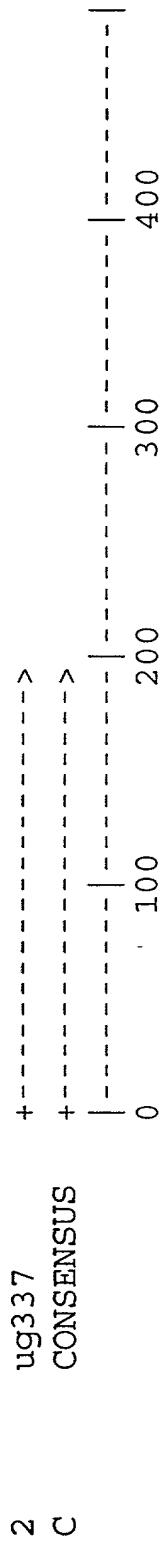
Contig: ug335



Contig: ug335t



Contig: ug337



Contig: ug338

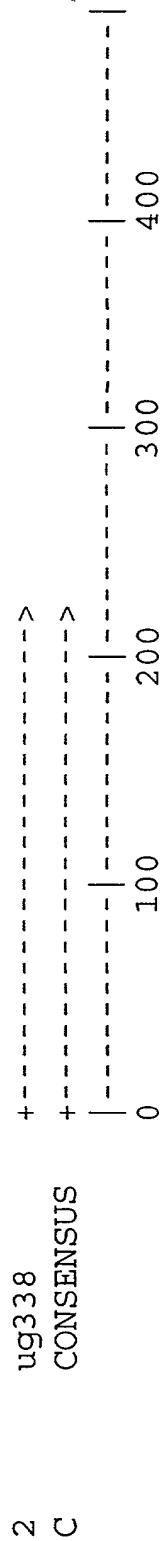
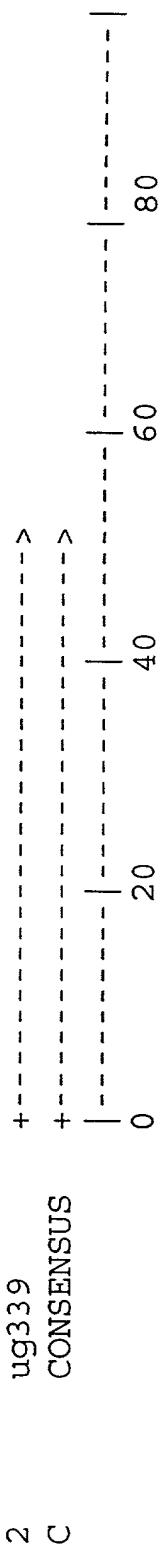


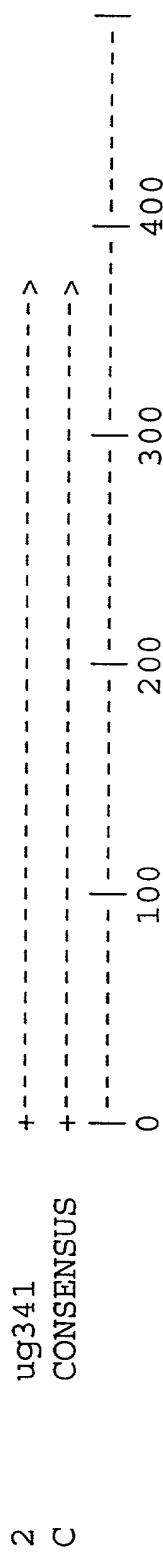
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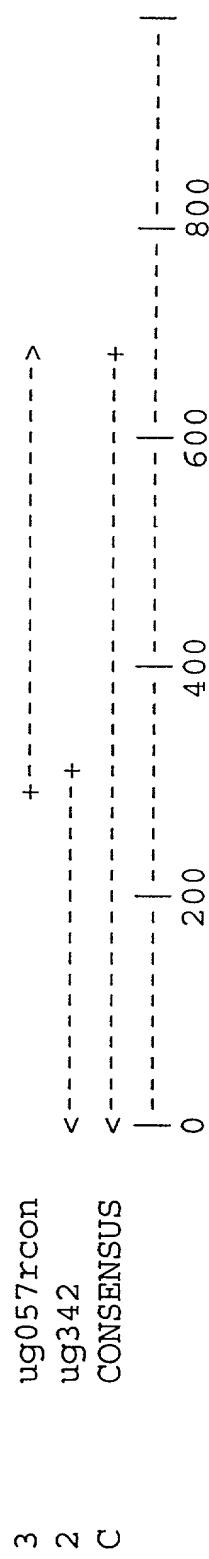
Contig: ug339



Contig: ug341



Contig: ug342



Contig: ug343

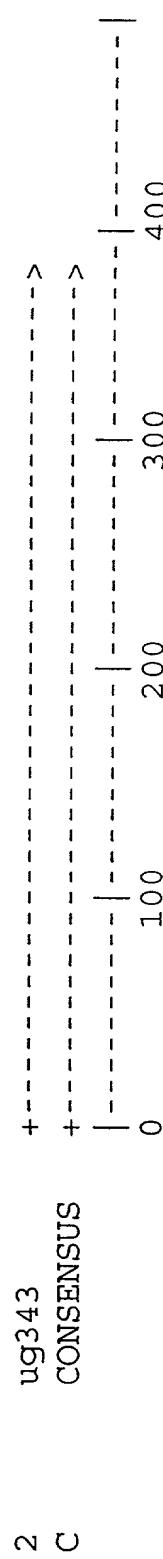
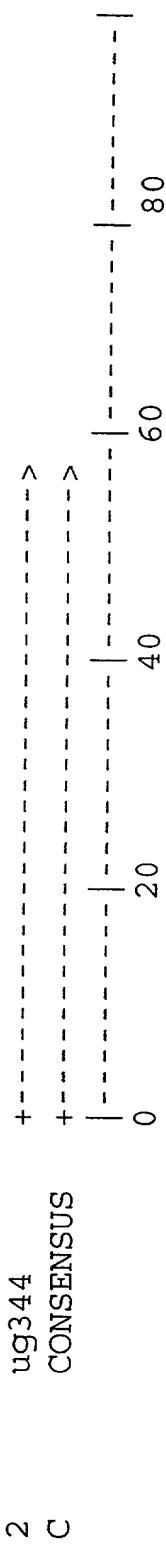


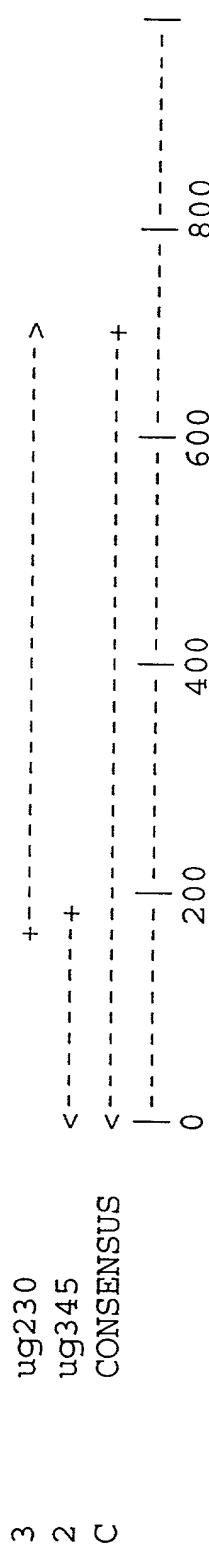
Fig. 8 - 91 of 180

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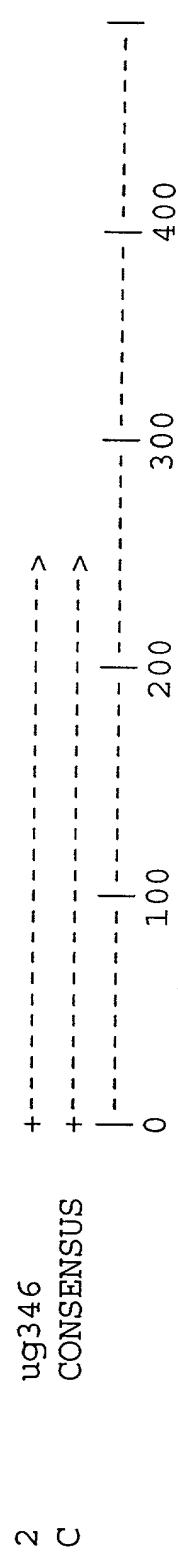
Contig: ug344



Contig: ug345



Contig: ug346



Contig: ug347

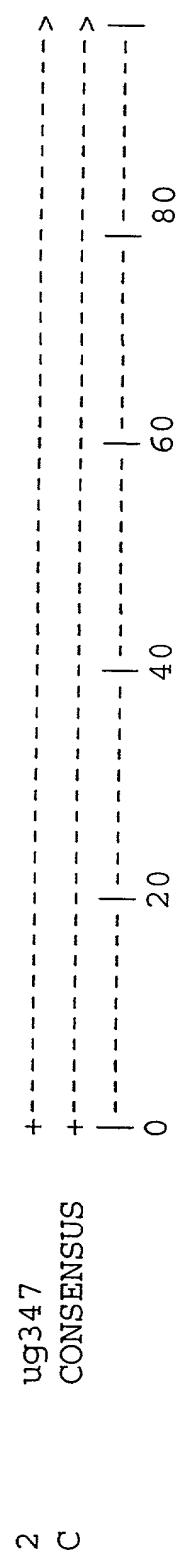


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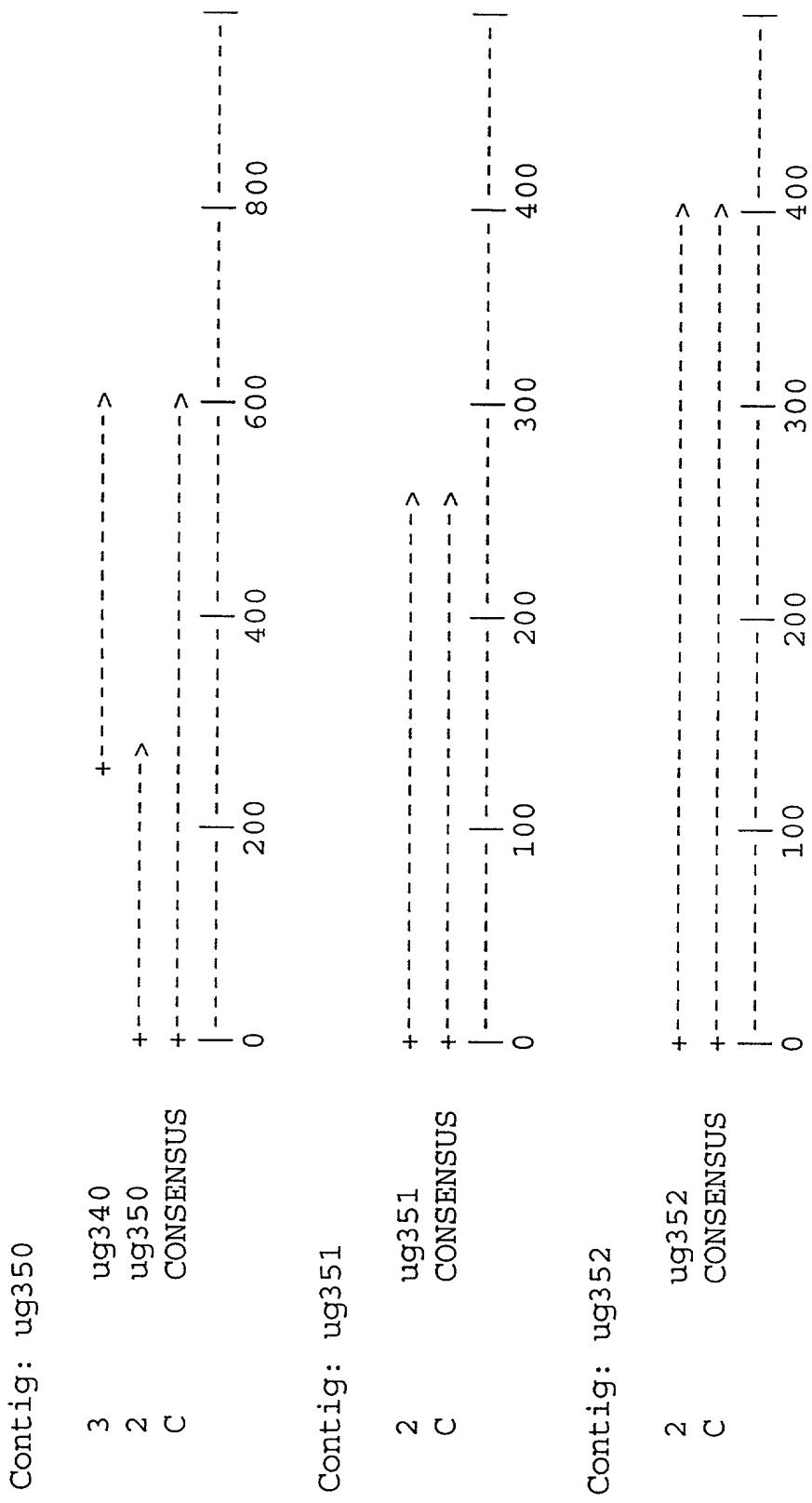
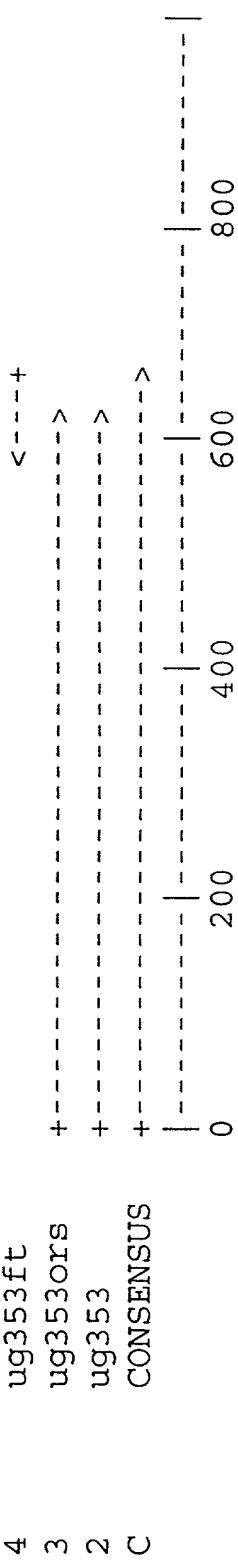


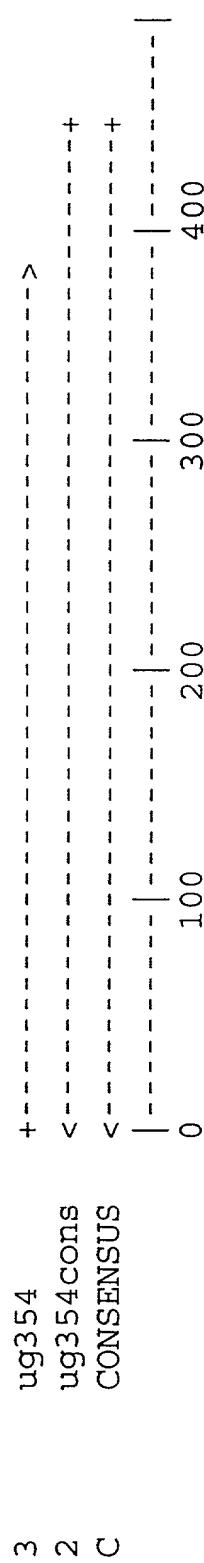
Fig. 8 - 93 of 180

361/472

Contig: ug353



Contig: ug354cons



Contig: ug355

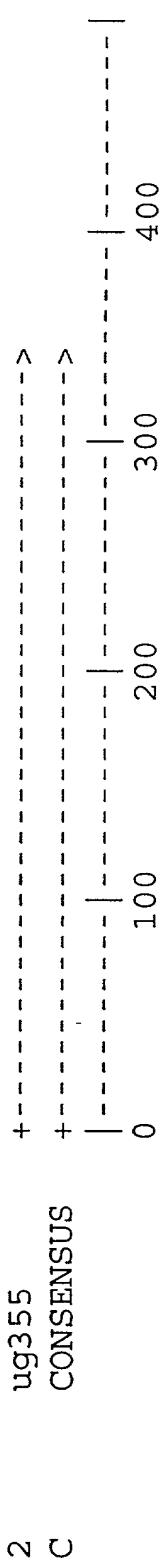
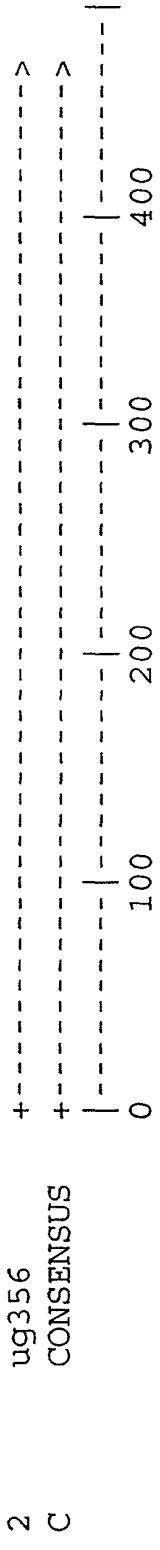


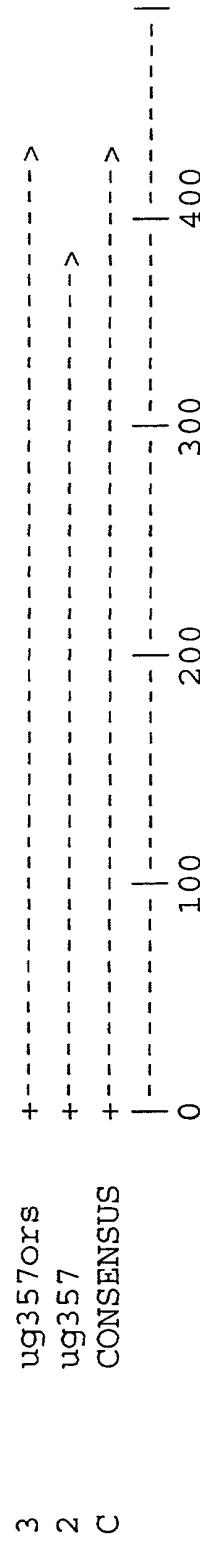
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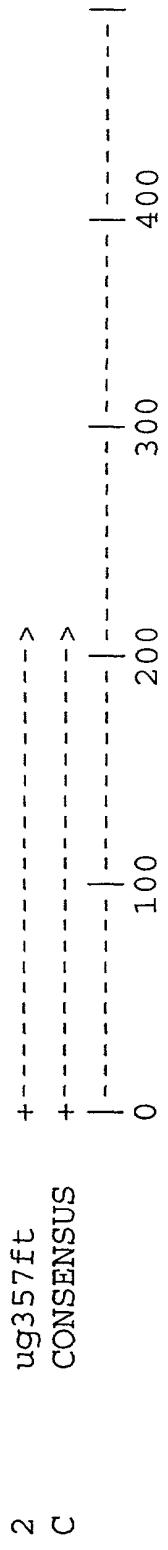
Contig: ug356



Contig: ug357



Contig: ug357ft



Contig: ug358

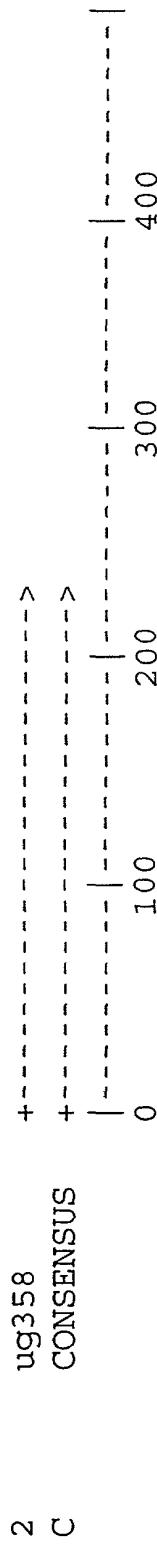
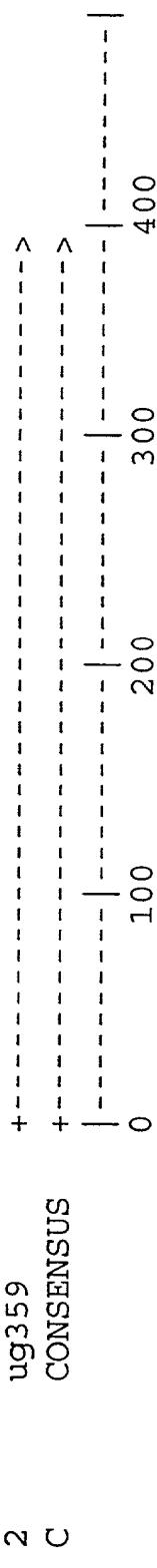


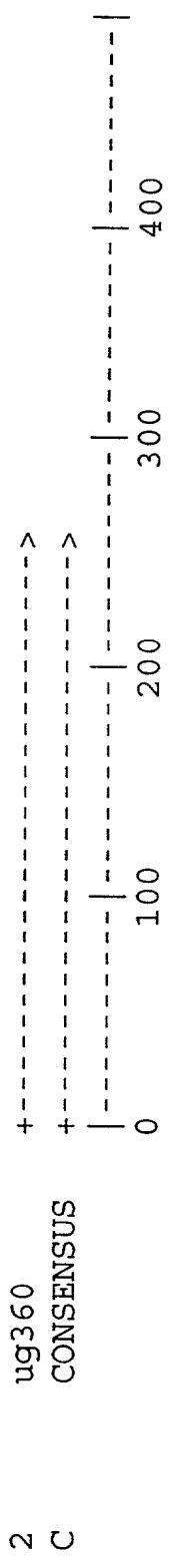
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Contig: ug359



Contig: ug360



Contig: ug361



Contig: ug363

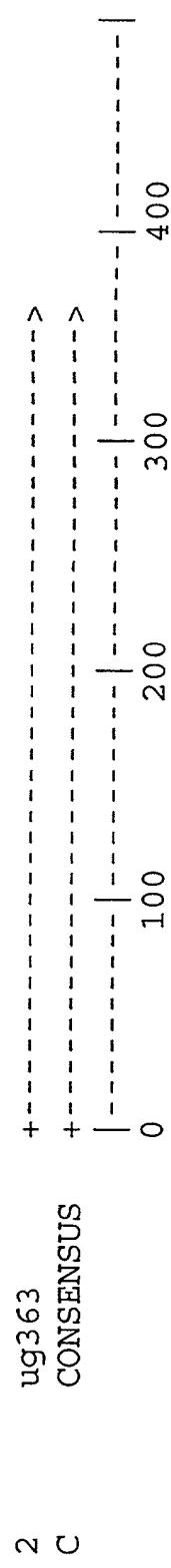
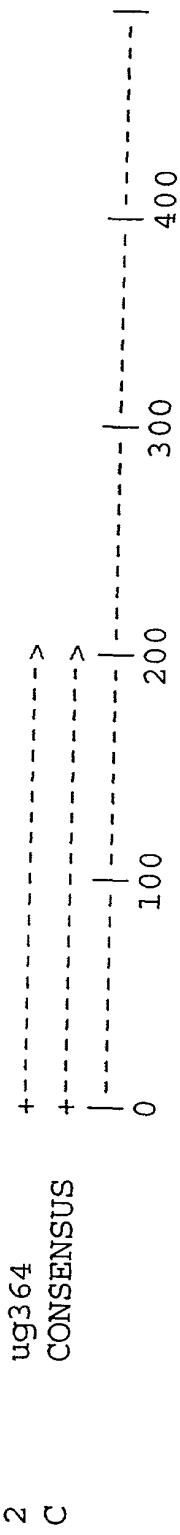


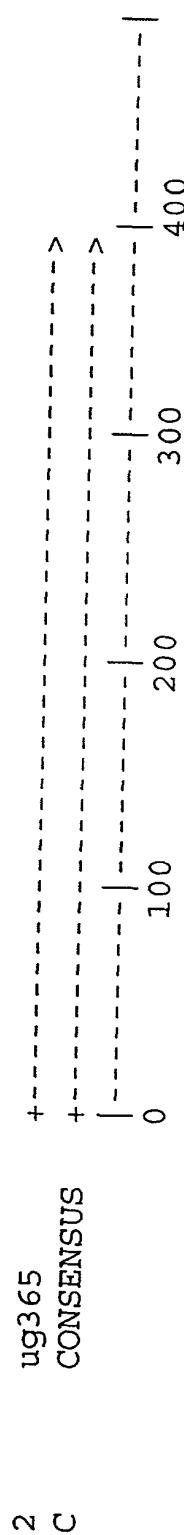
Fig. 8 - 96 of 180

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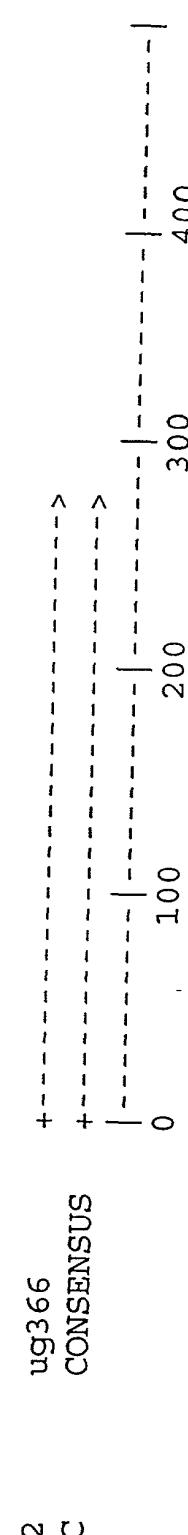
Contig: ug364



Contig: ug365



Contig: ug366



Contig: ug367

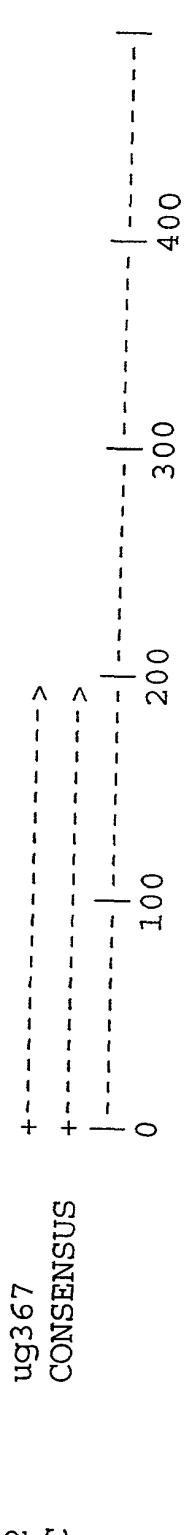
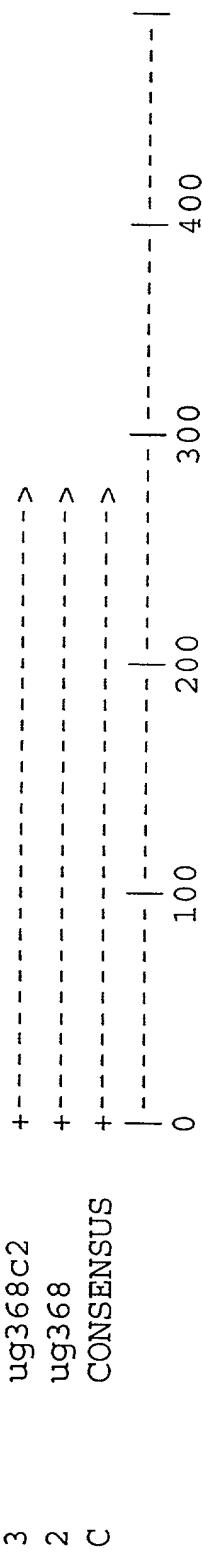


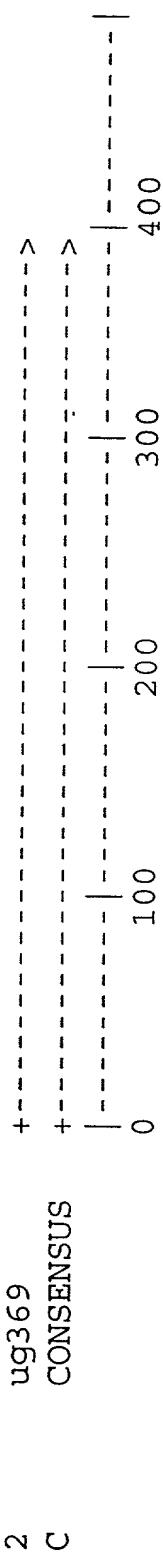
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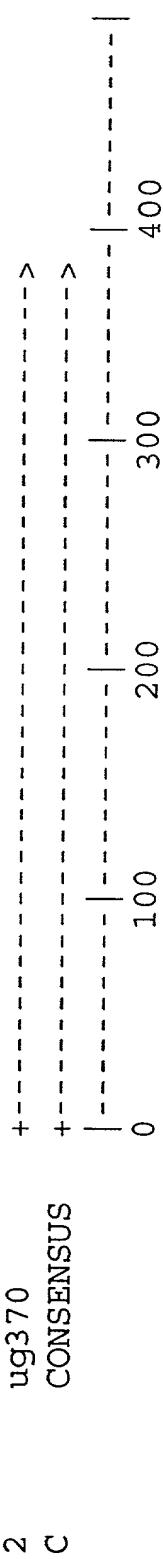
Contig: ug368



Contig: ug369



Contig: ug370



Contig: ug371

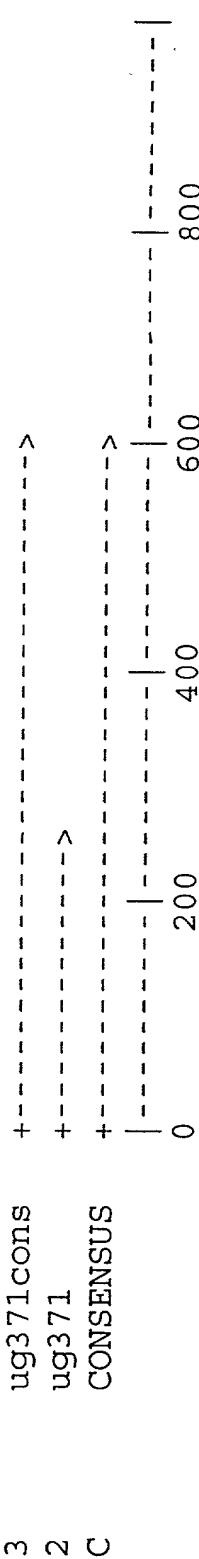
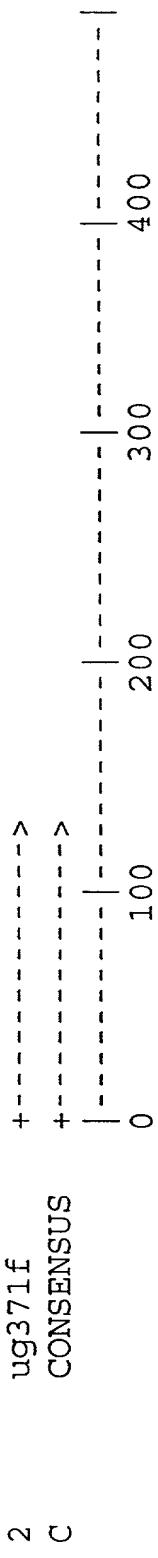


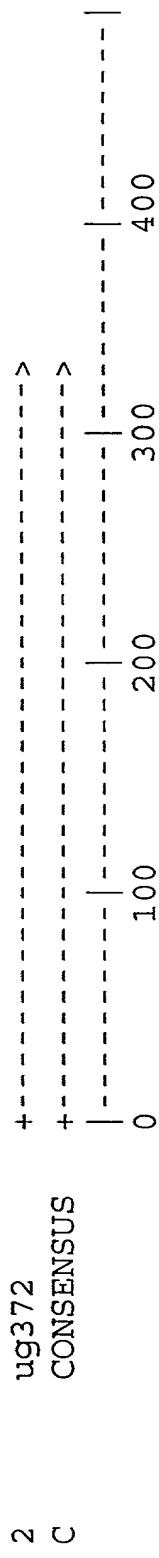
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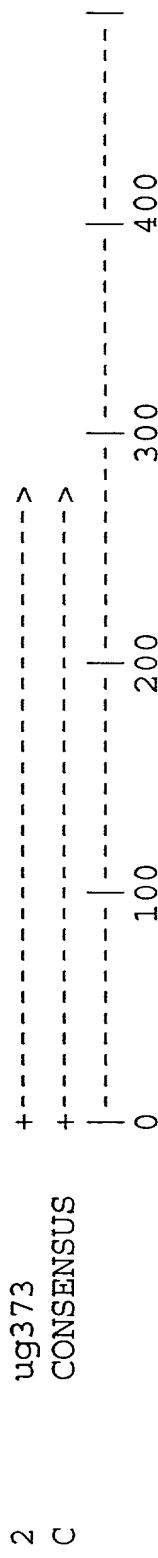
Contig: ug371f



Contig: ug372



Contig: ug373



Contig: ug374

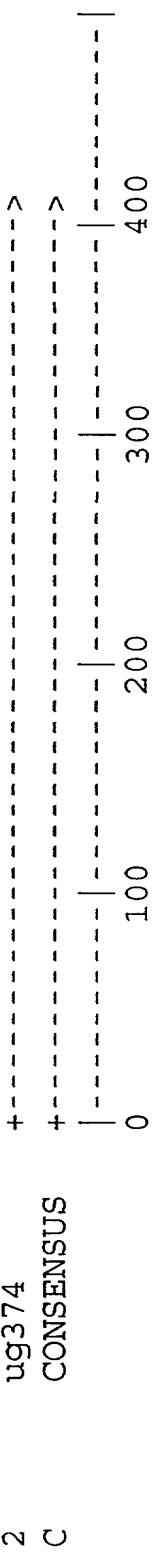
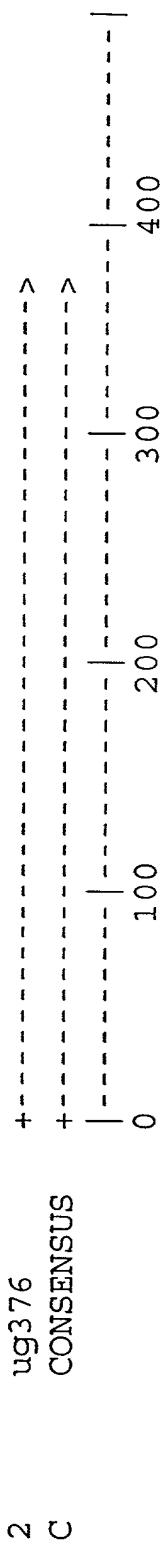


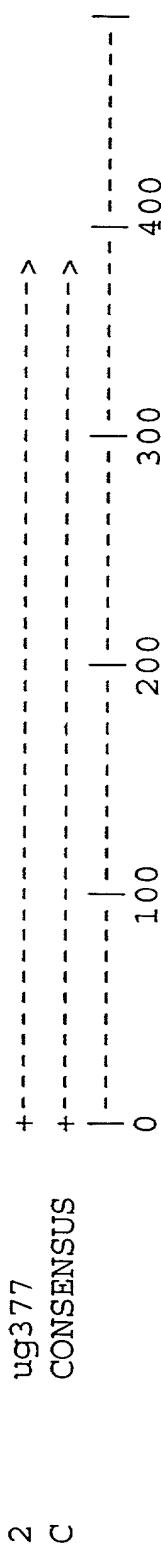
Fig. 8 - 99 of 180

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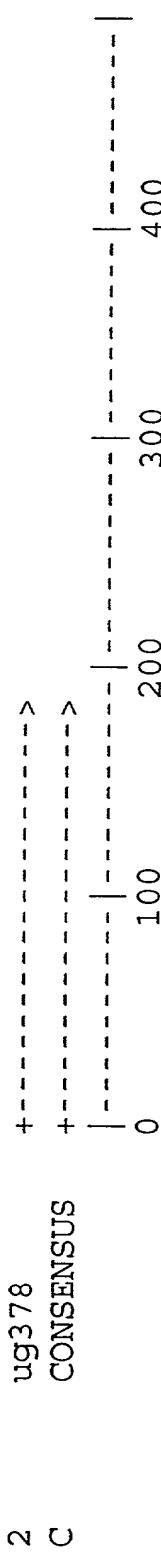
Contig: ug376



Contig: ug377



Contig: ug378



Contig: ug379

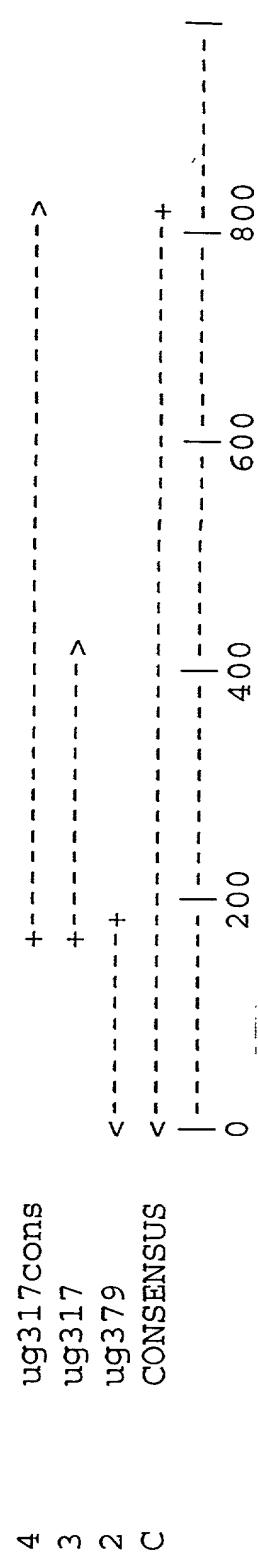
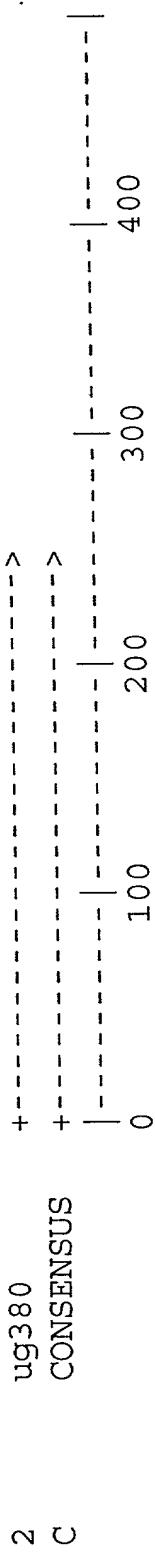


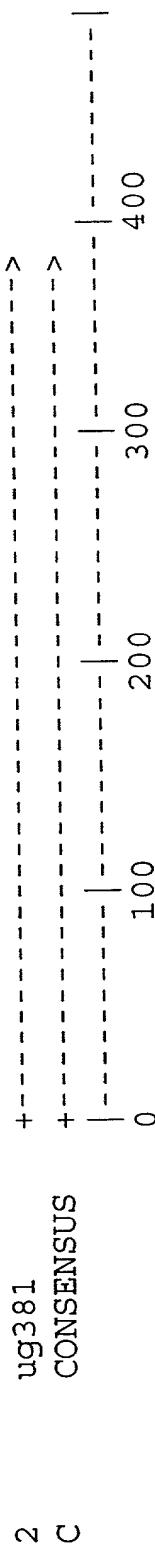
Fig. 8 - 100 of 180

368/472

Contig: ug380



Contig: ug381



Contig: ug382



Contig: ug383

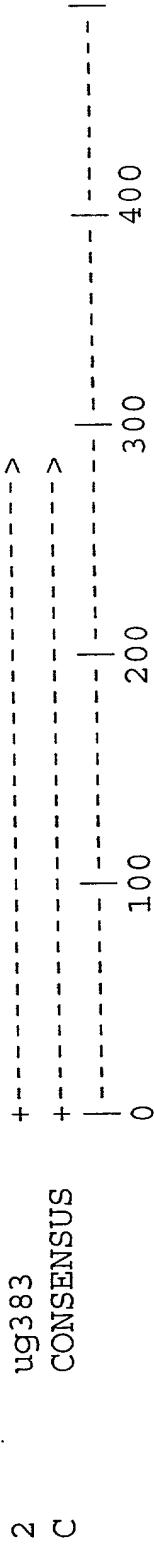
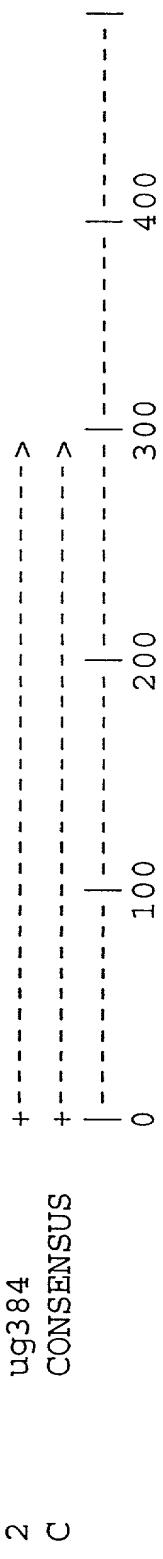


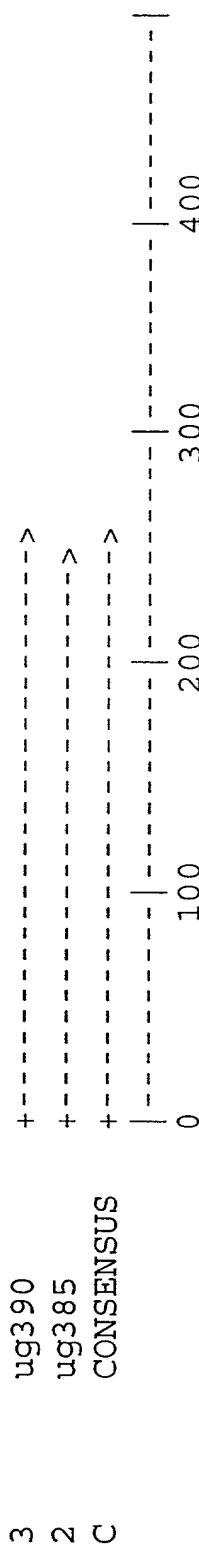
Fig. 8 - 101 of 180

369/472

Contig: ug384



Contig: ug385



Contig: ug387



Contig: ug388

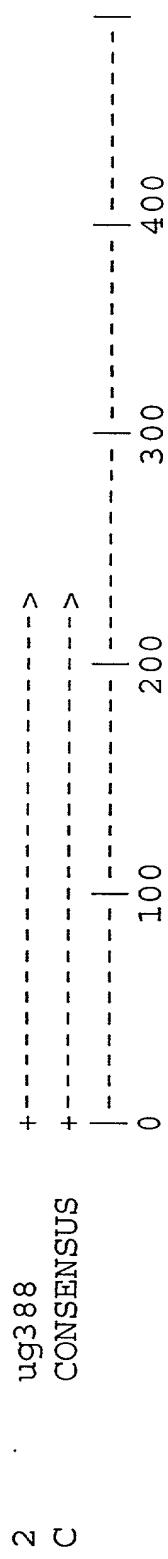
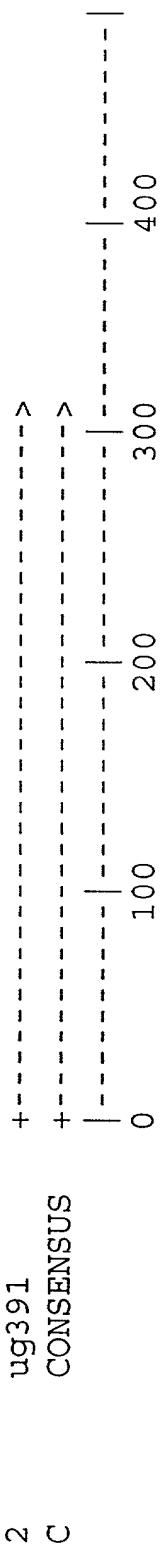


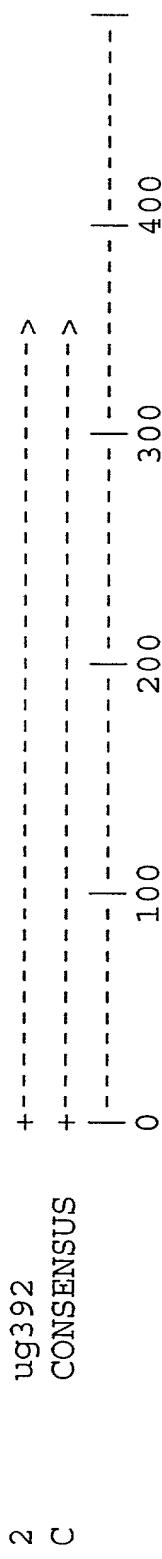
Fig. 8 - 102 of 180

370/472

Contig: ug391



Contig: ug392



Contig: ug393



Contig: ug394

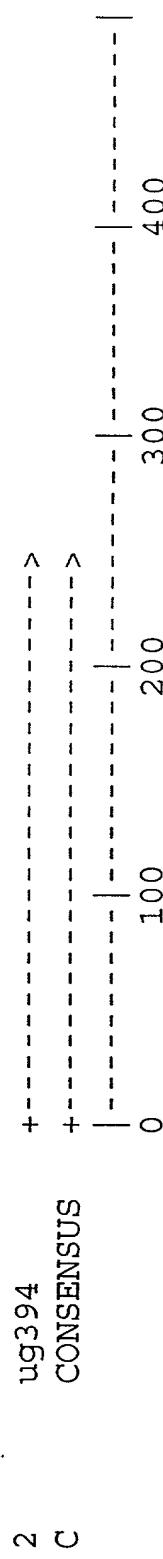
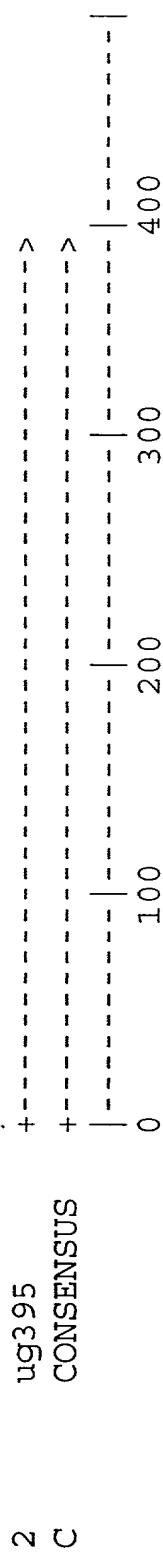


Fig. 8 - 103 of 180

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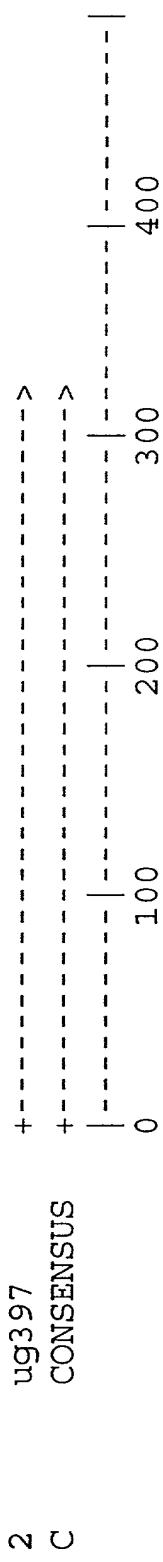
Contig: ug395



Contig: ug396



Contig: ug397



Contig: ug398

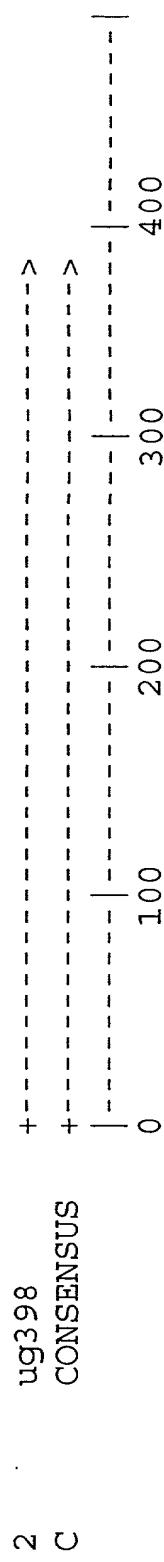
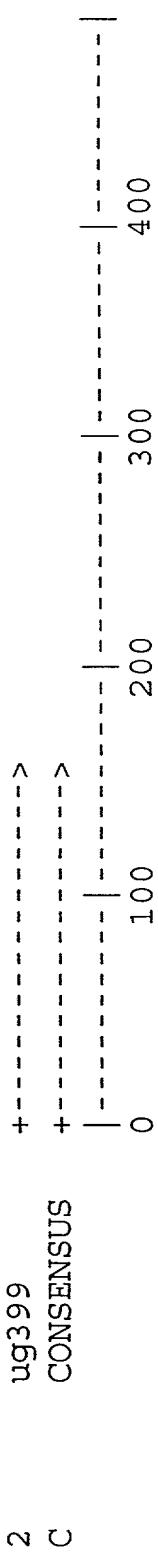


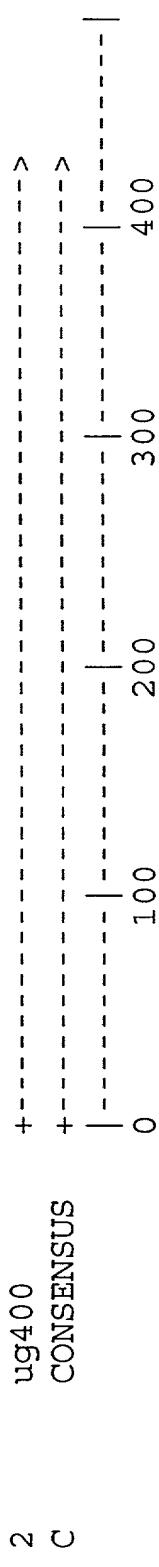
Fig. 8 - 104 of 180

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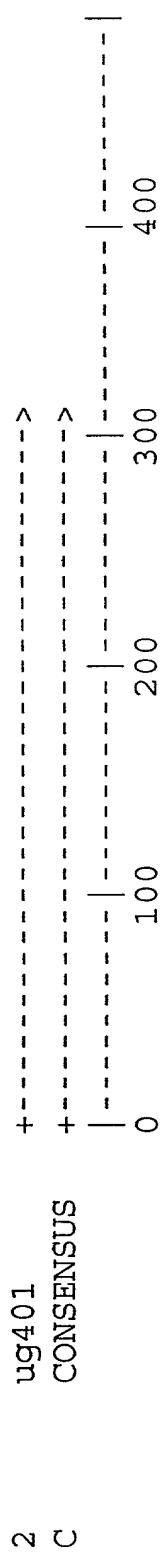
Contig: ug399



Contig: ug400



Contig: ug401



Contig: ug402

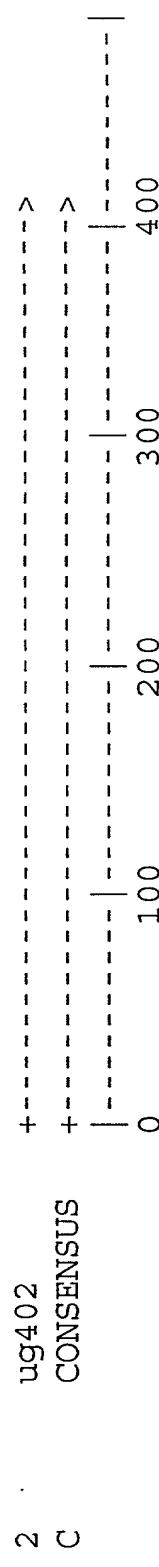
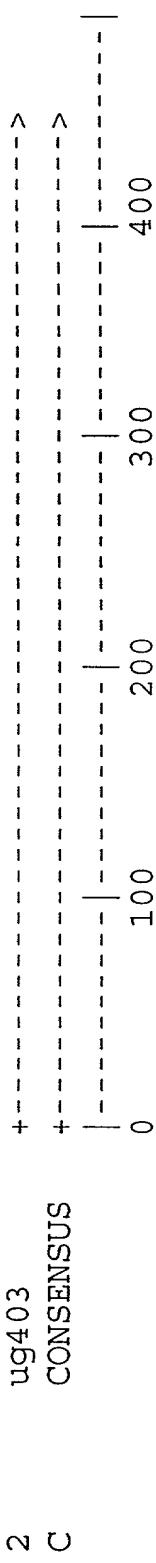


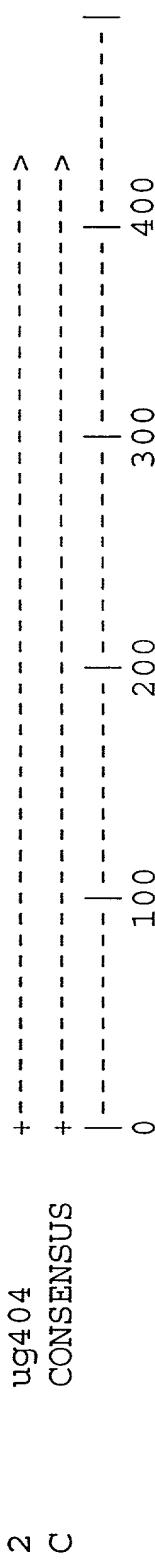
Fig. 8 - 105 of 180

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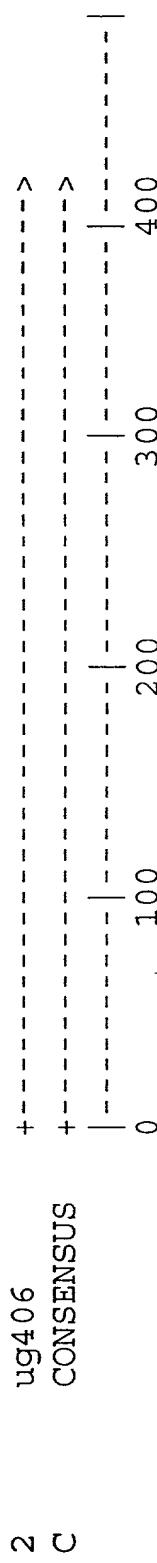
Contig: ug403



Contig: ug404



Contig: ug406



Contig: ug407

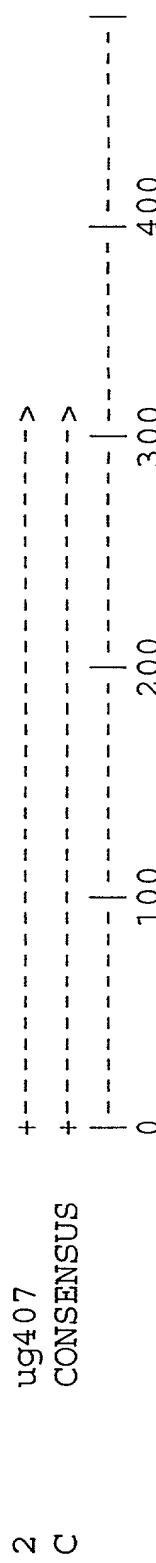


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Contig: ug408



Contig: ug412



Contig: ug413



Contig: ug414

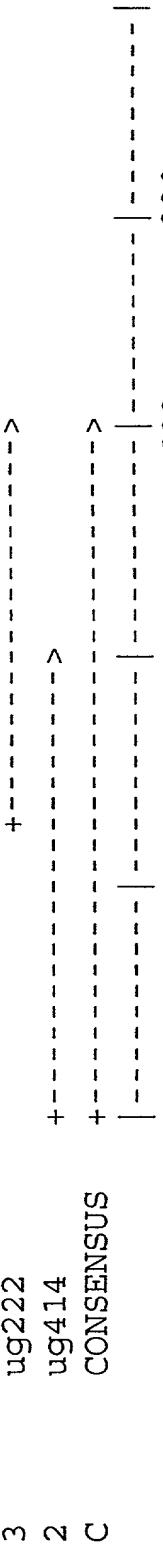
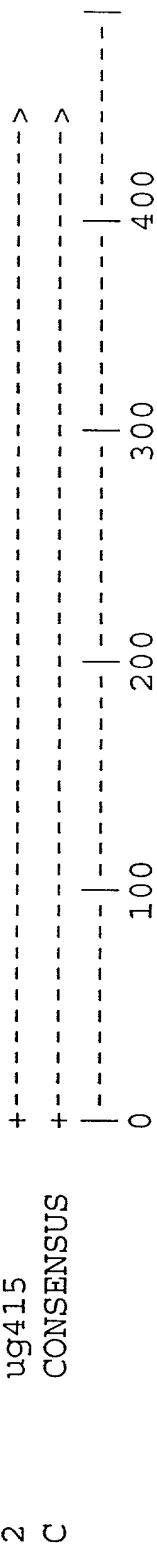


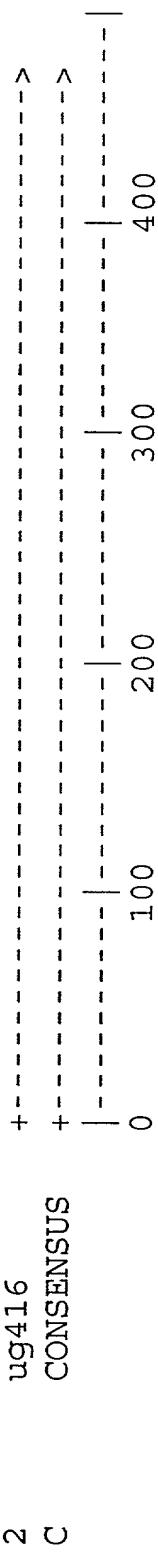
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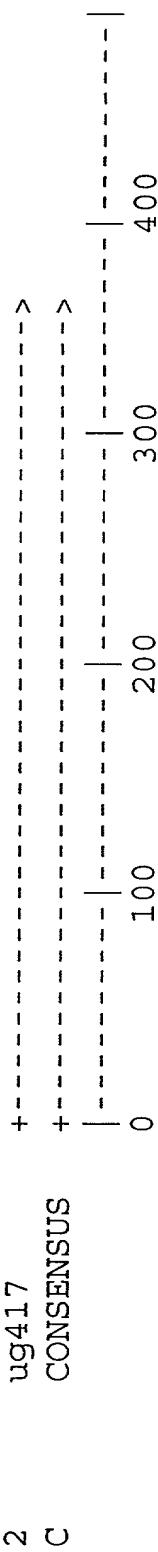
Contig: ug415



Contig: ug416



Contig: ug417

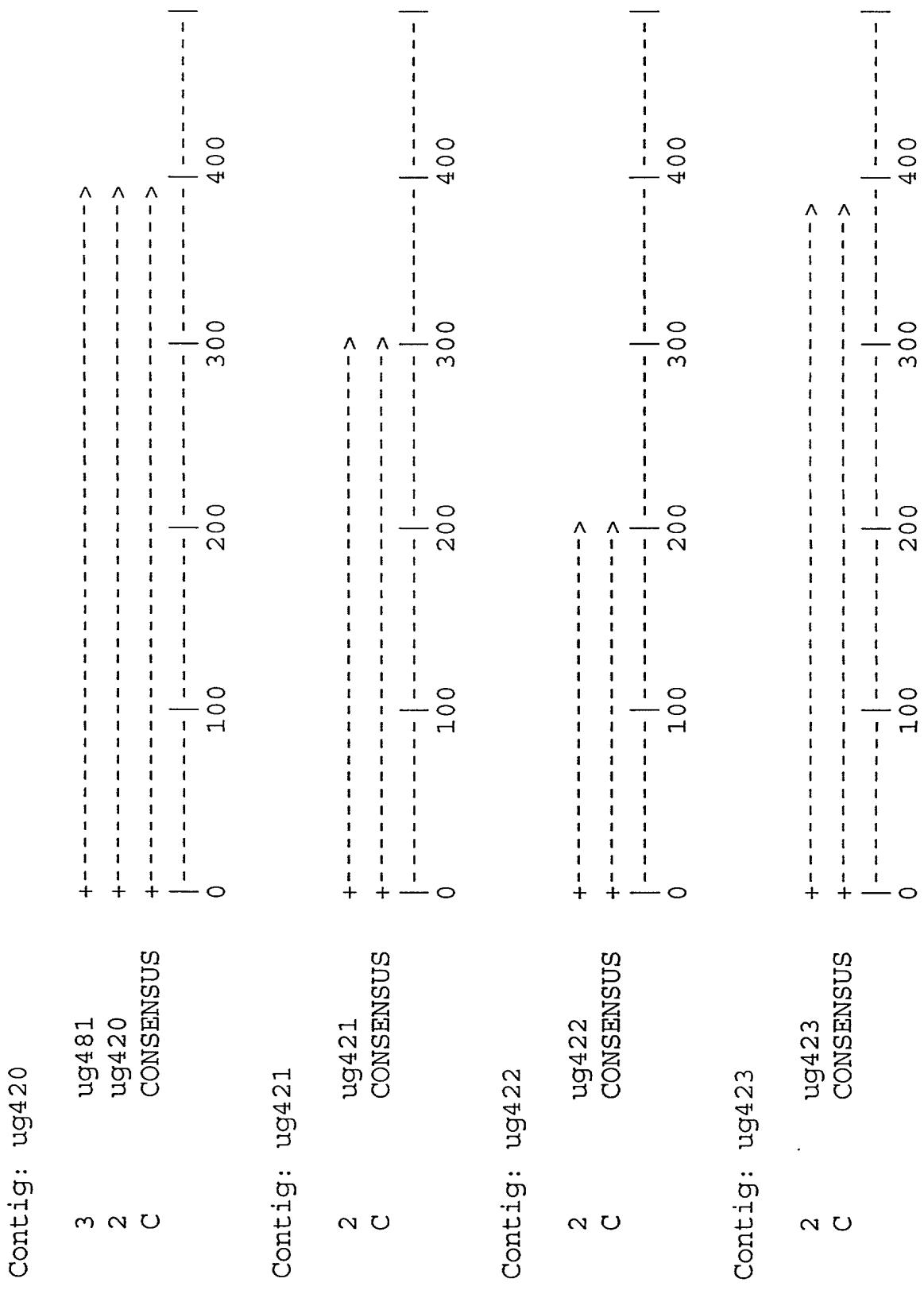


Contig: ug418



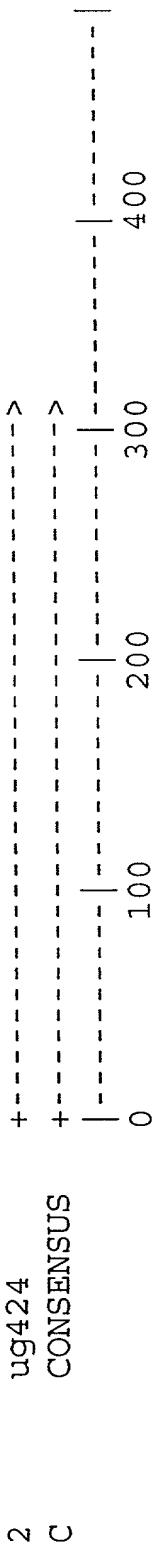
Fig. 8 - 108 of 180

376/472

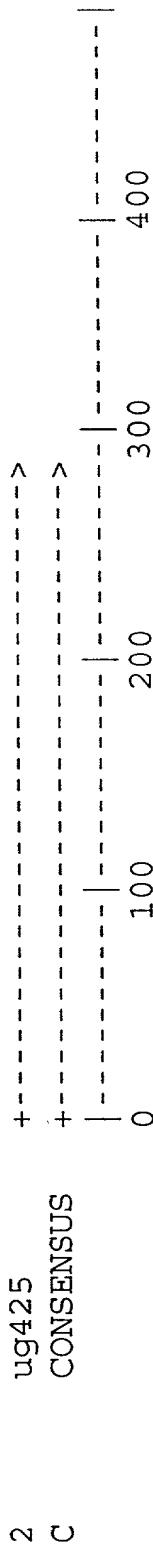


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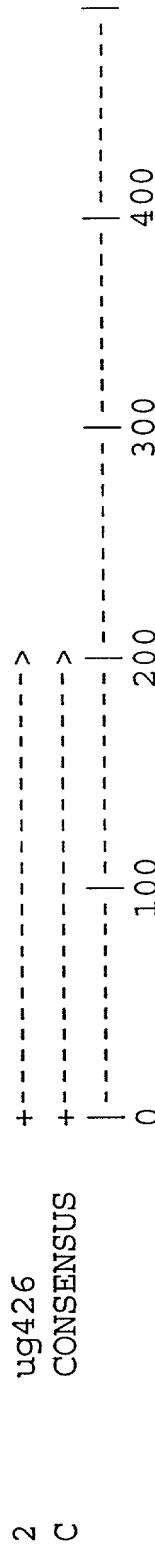
Contig: ug424



Contig: ug425



Contig: ug426



Contig: ug427

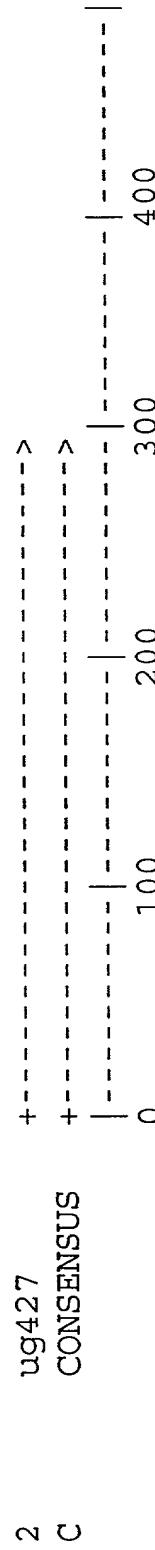


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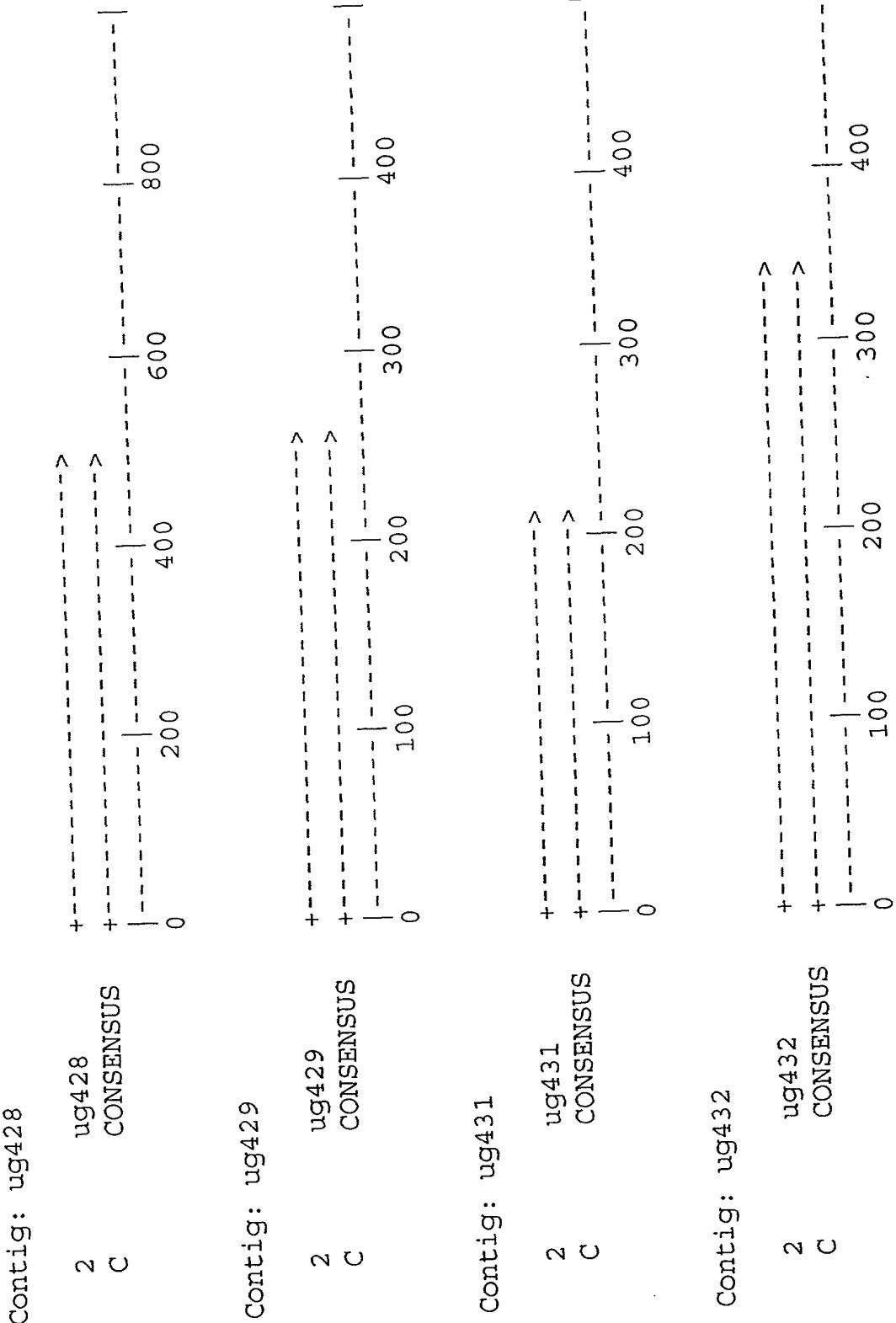


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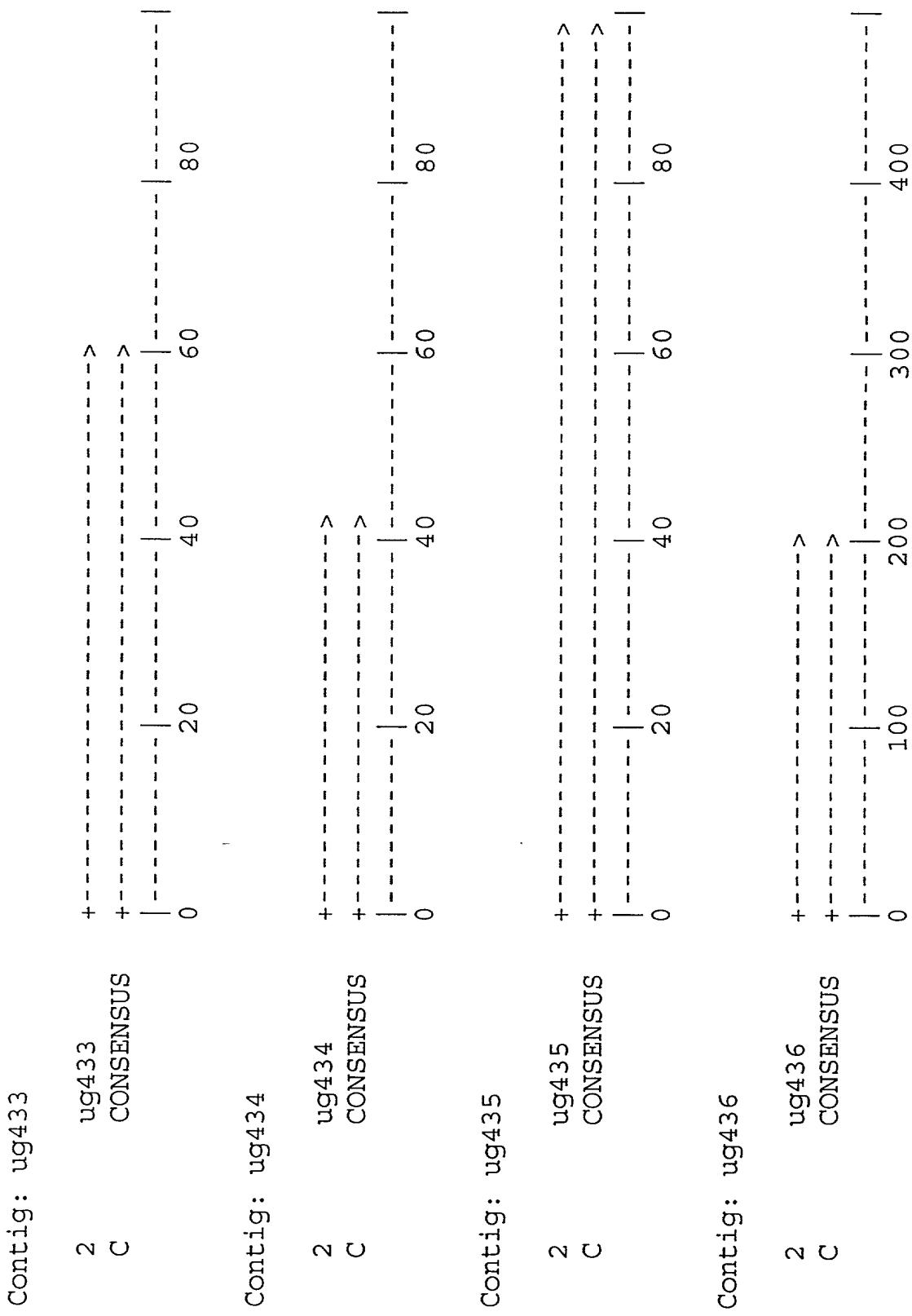
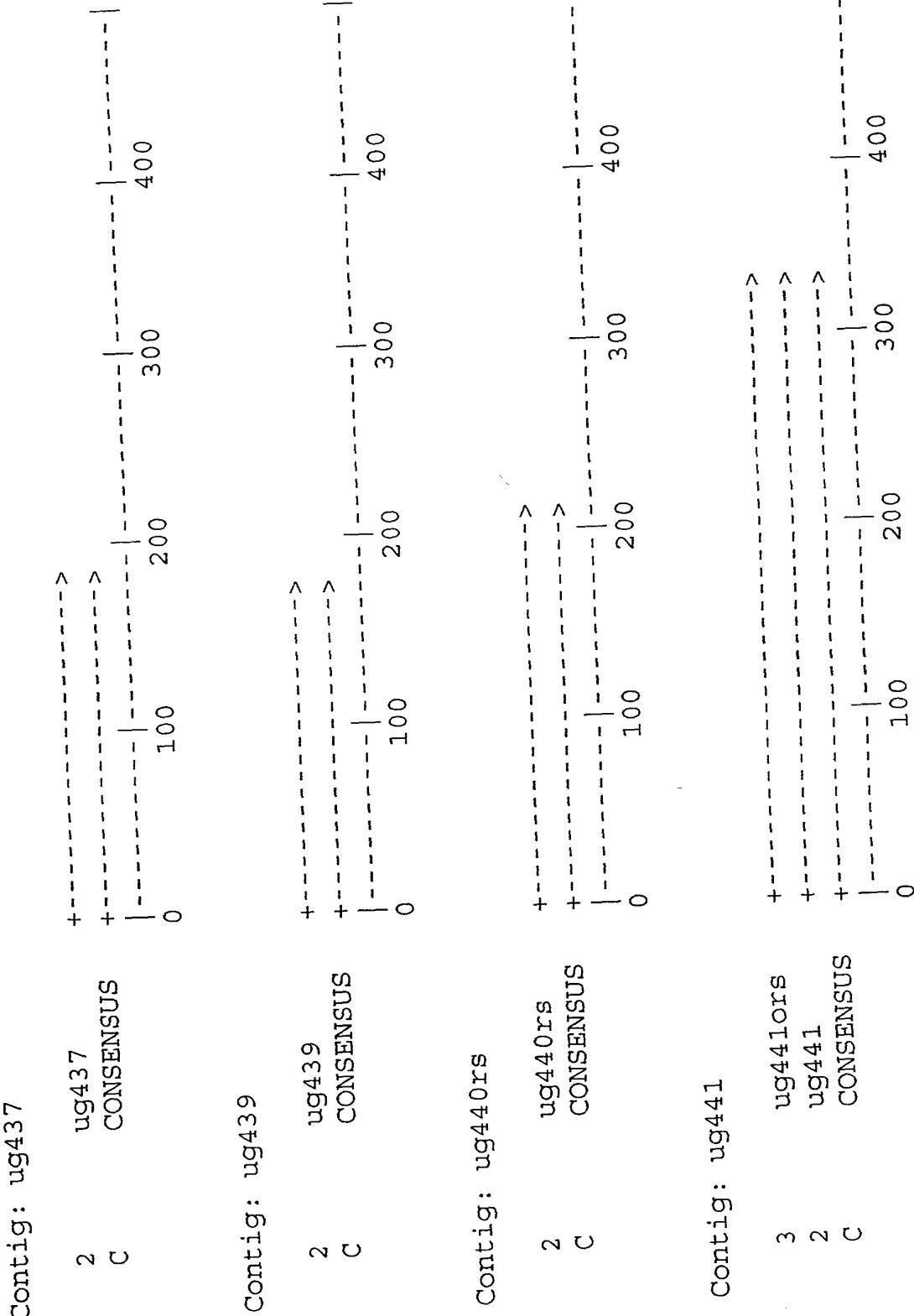


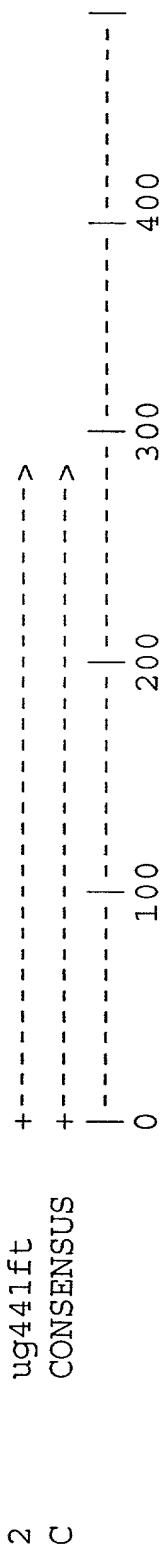
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380/472

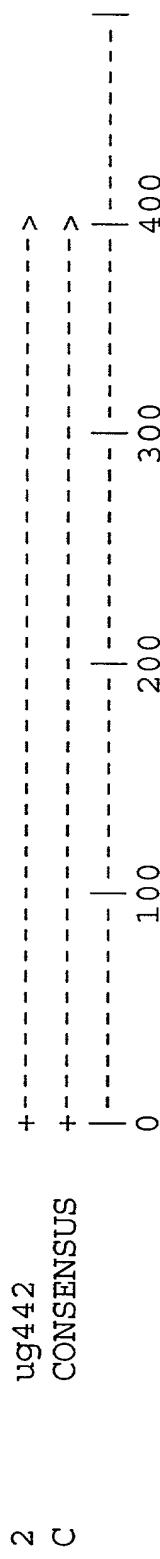


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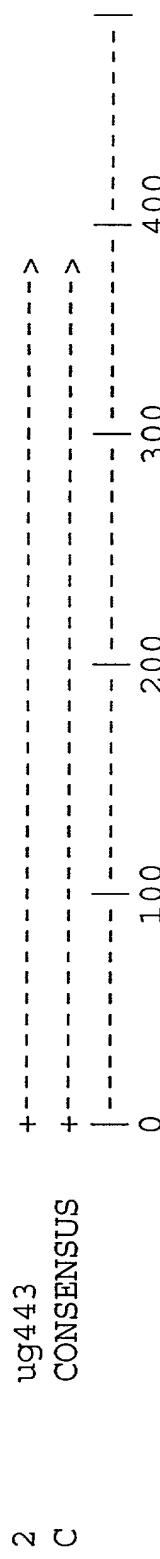
Contig: ug441ft



Contig: ug442



Contig: ug443



Contig: ug445

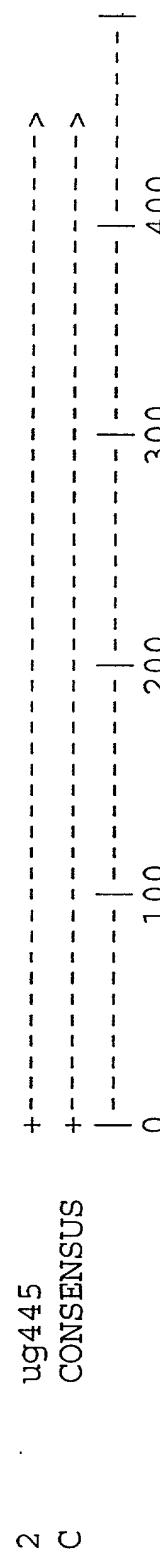
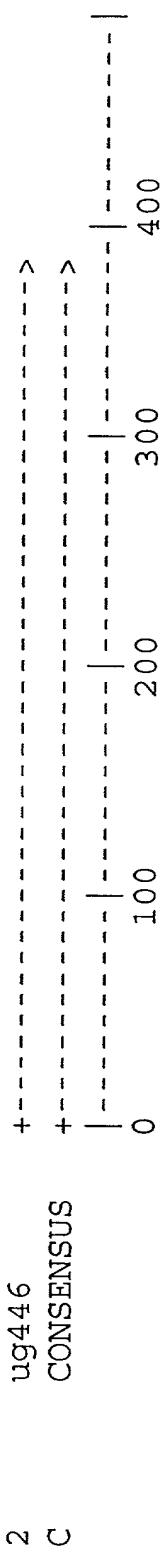


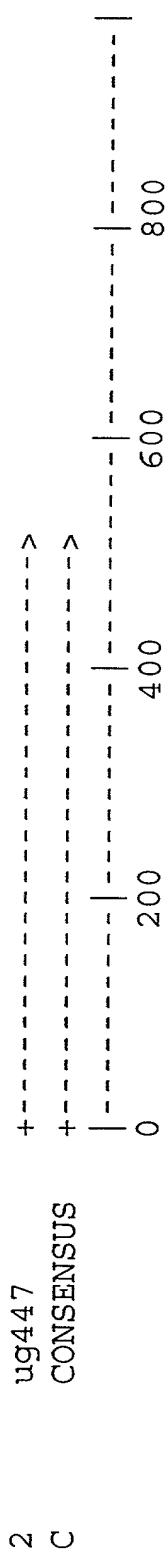
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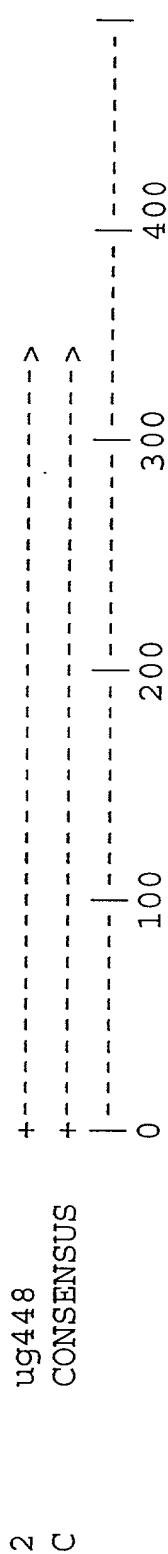
Contig: ug446



Contig: ug447



Contig: ug448



Contig: ug450

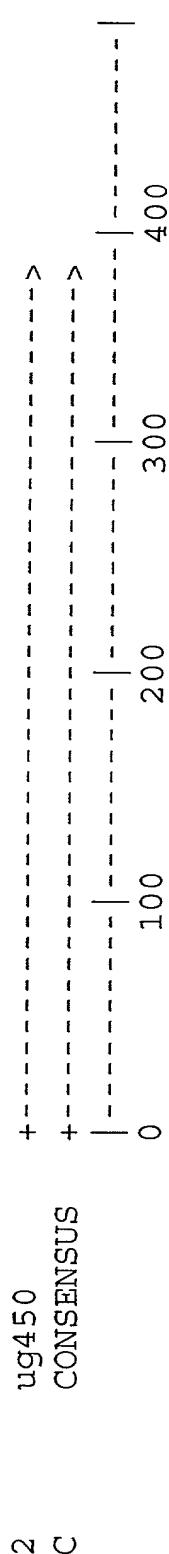
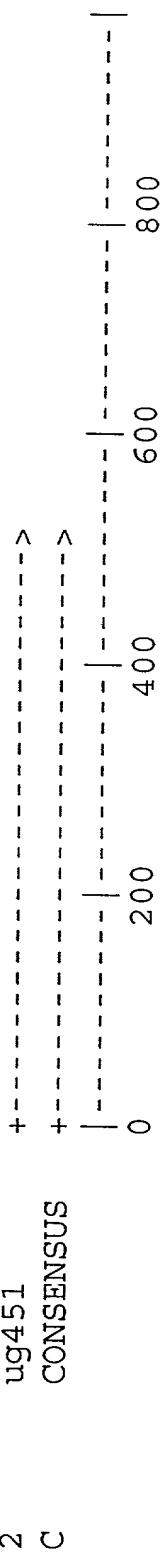


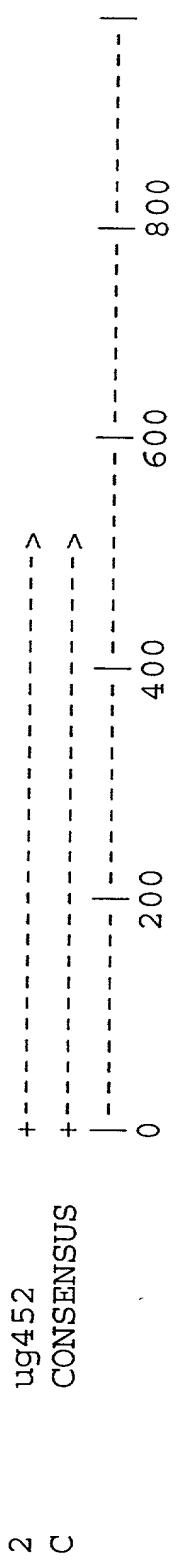
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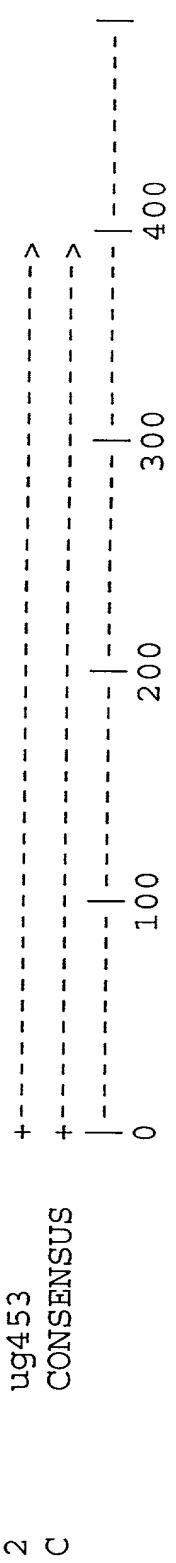
Contig: ug451



Contig: ug452



Contig: ug453



Contig: ug454

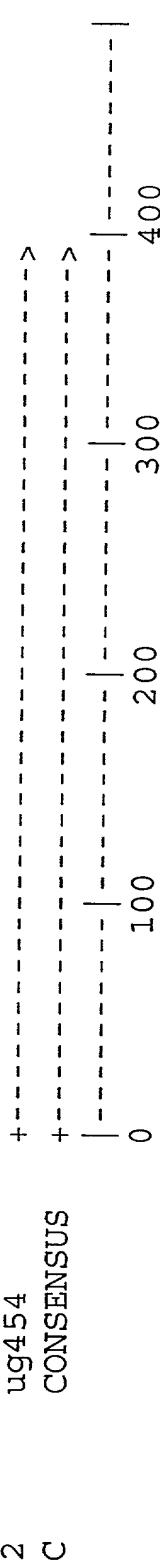
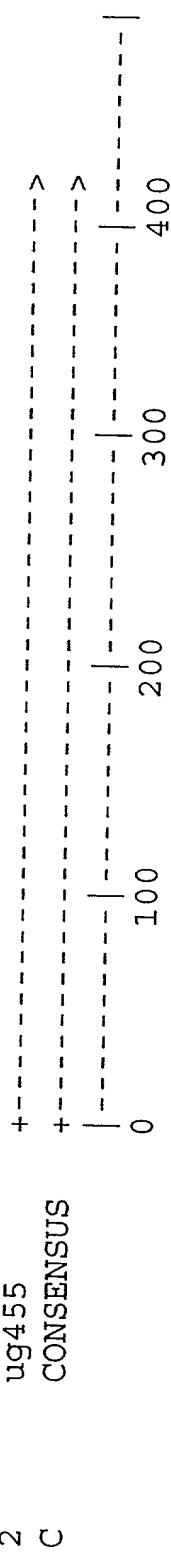


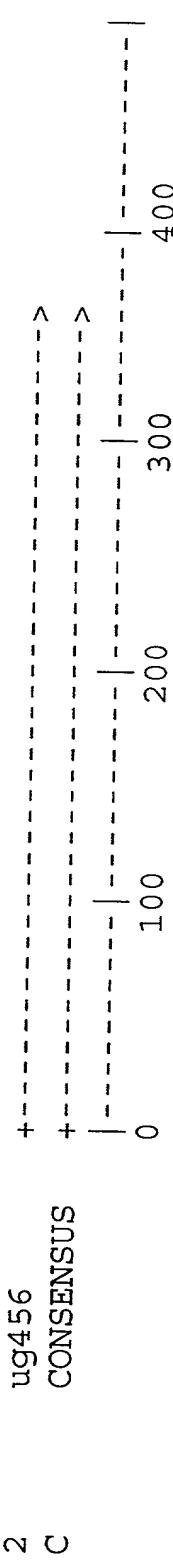
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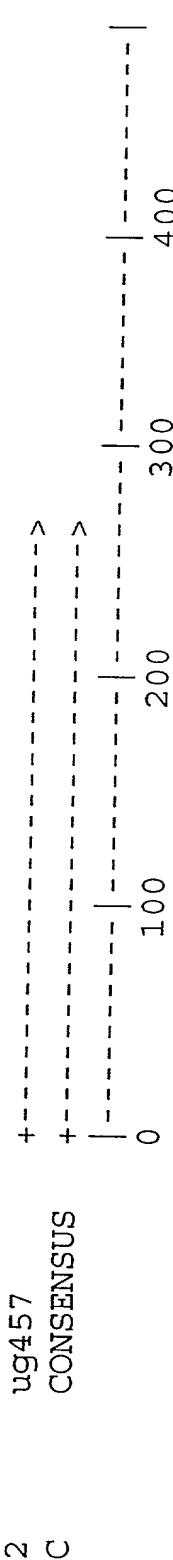
Contig: ug455



Contig: ug456



Contig: ug457



Contig: ug458

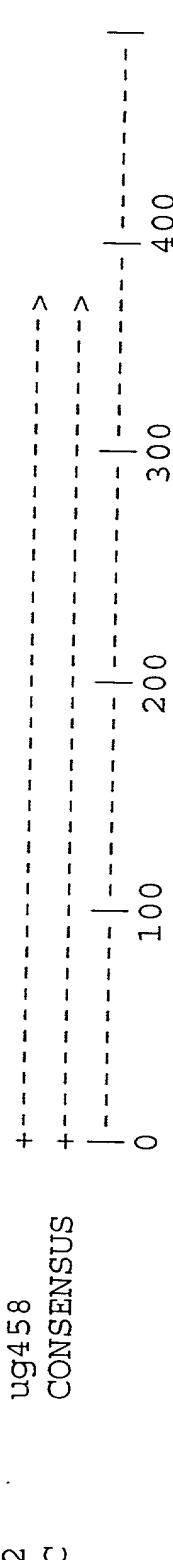
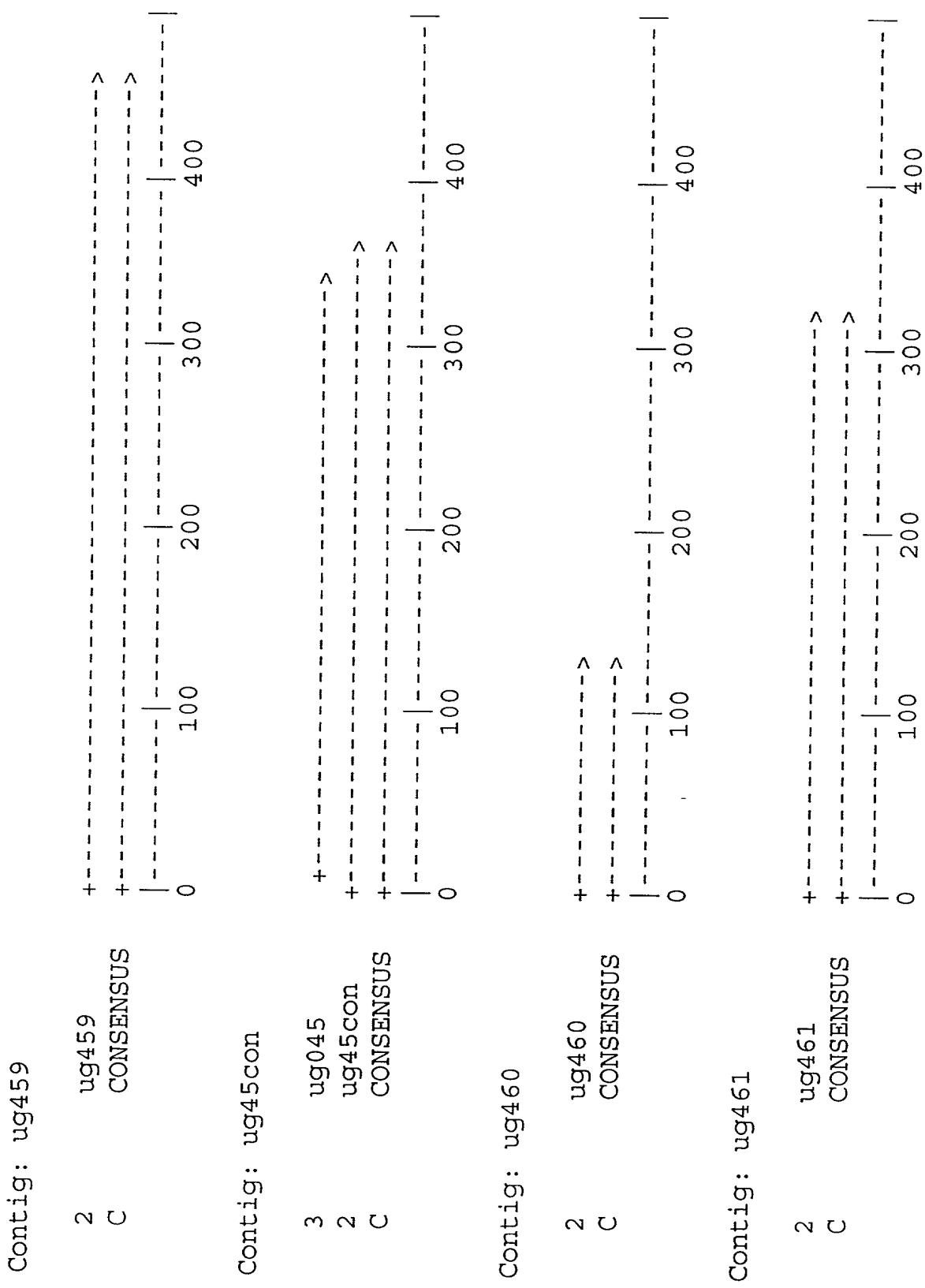


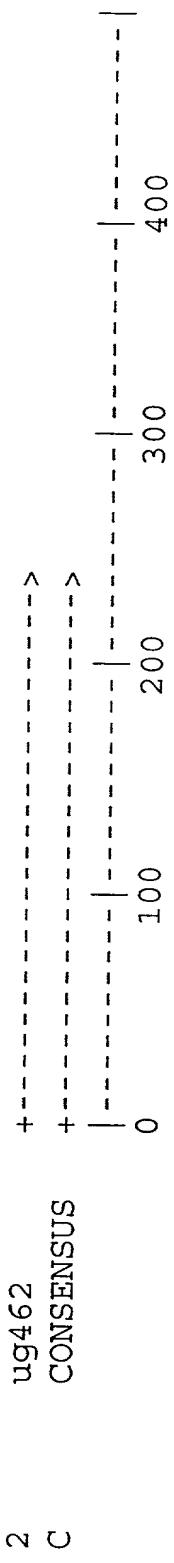
Fig. 8 - 117 of 180

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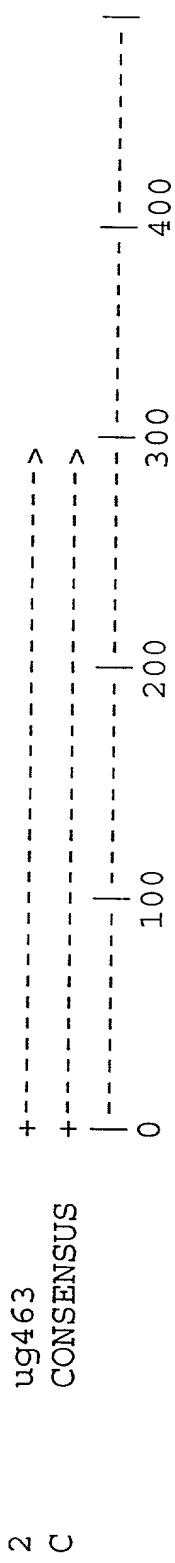


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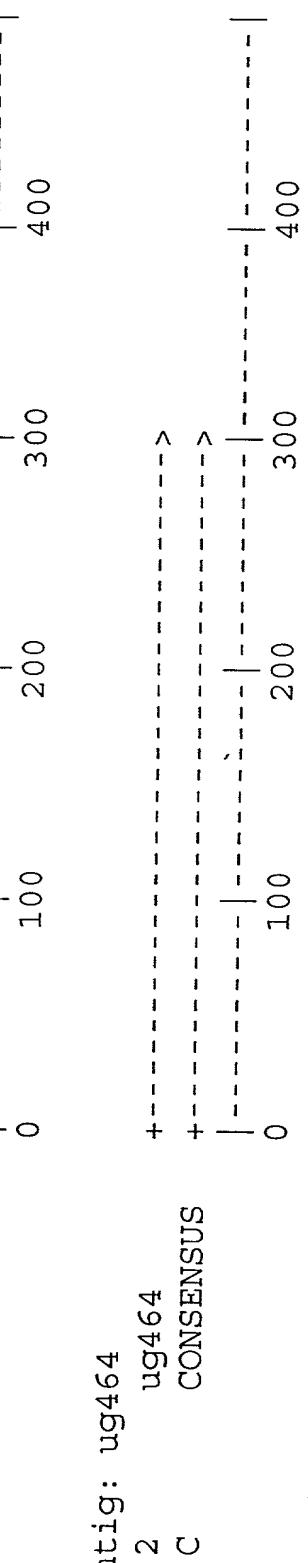
Contig: ug462



Contig: ug463



Contig: ug464



Contig: ug465

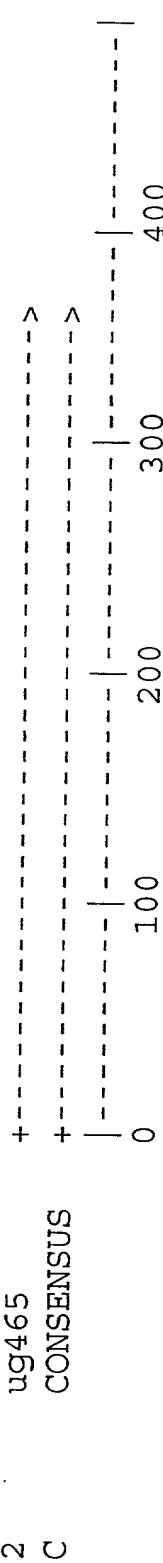
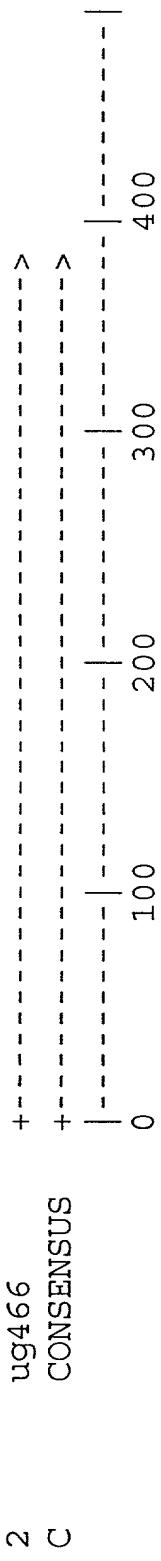


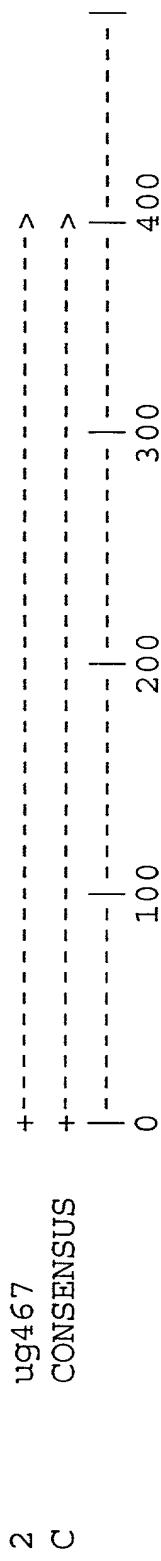
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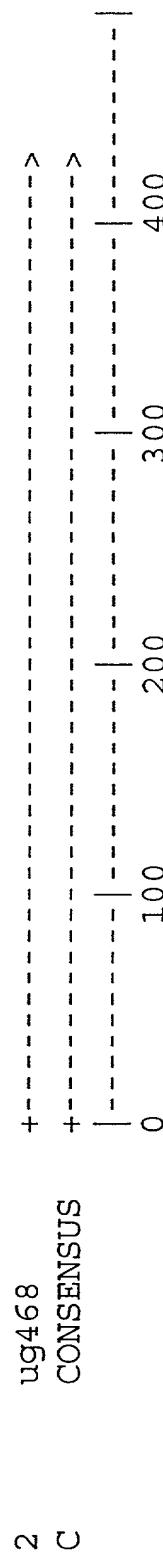
Contig: ug466



Contig: ug467



Contig: ug468



Contig: ug470

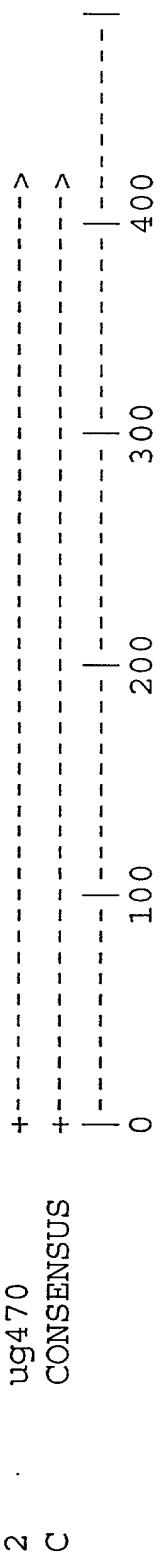
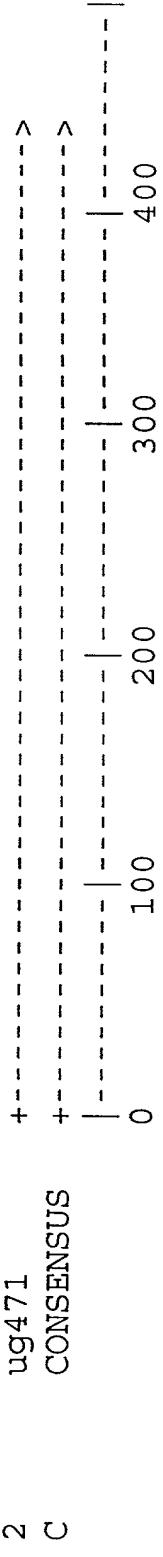


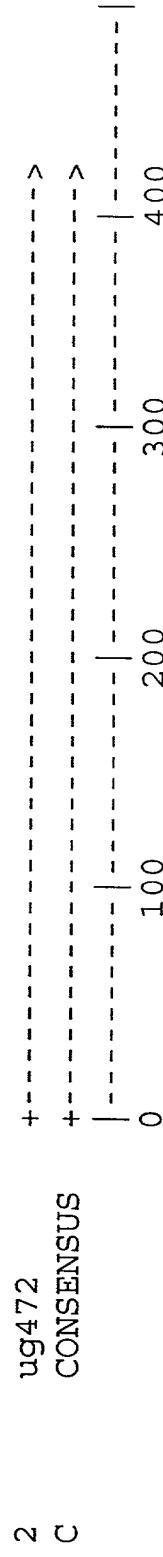
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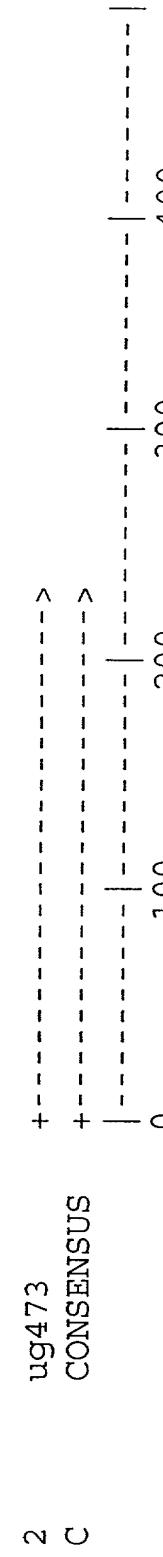
Contig: ug471



Contig: ug472



Contig: ug473



Contig: ug475

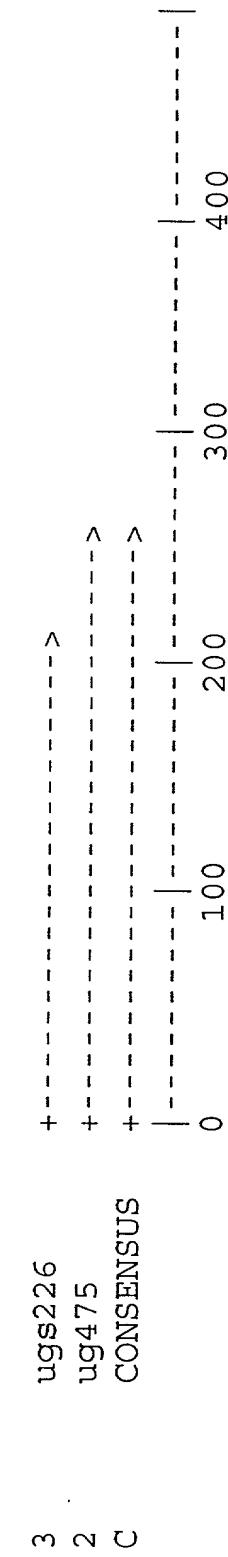
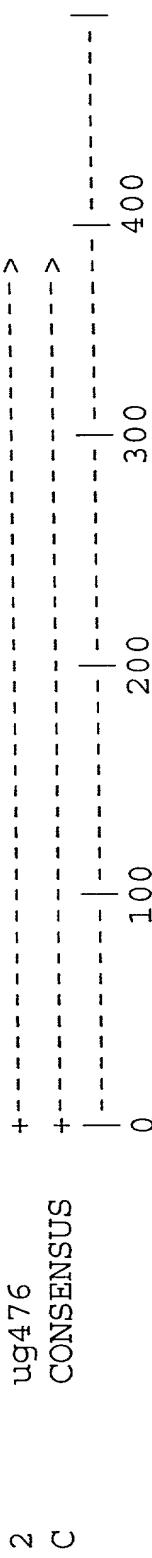


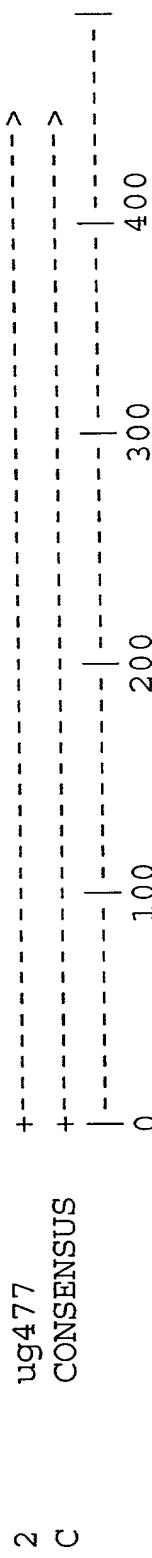
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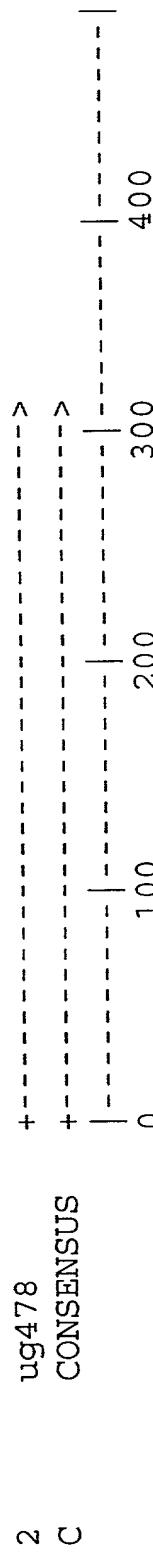
Contig: ug476



Contig: ug477



Contig: ug478



Contig: ug479



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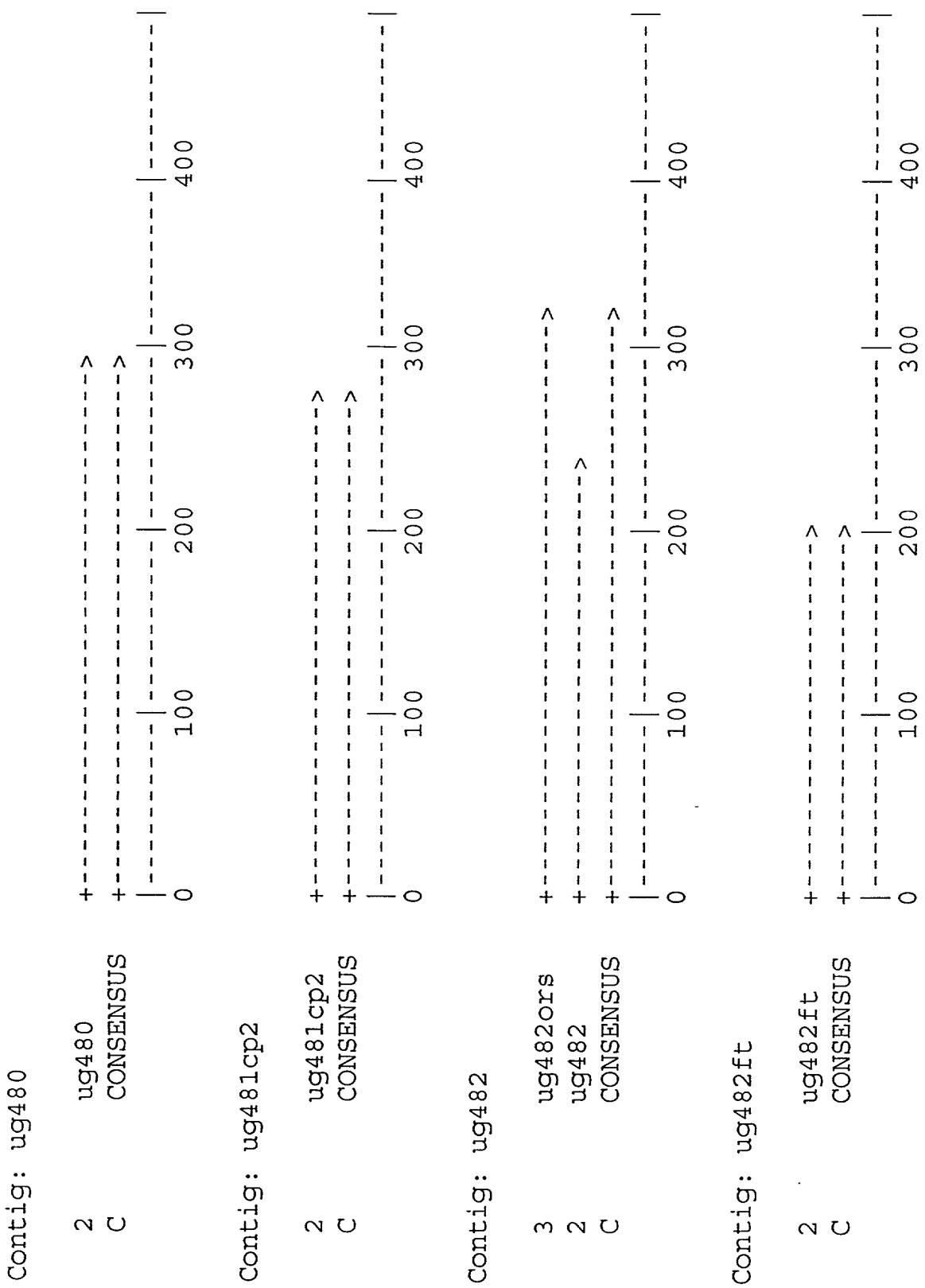
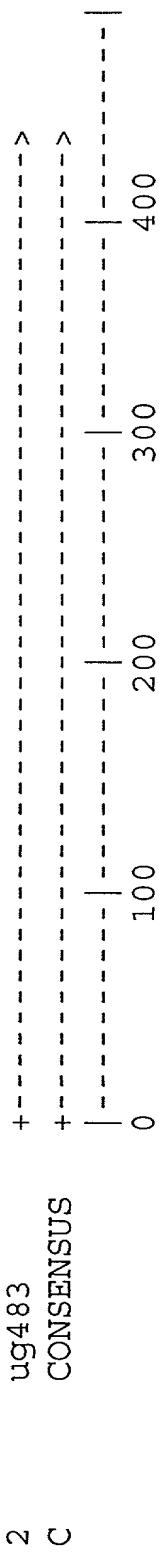


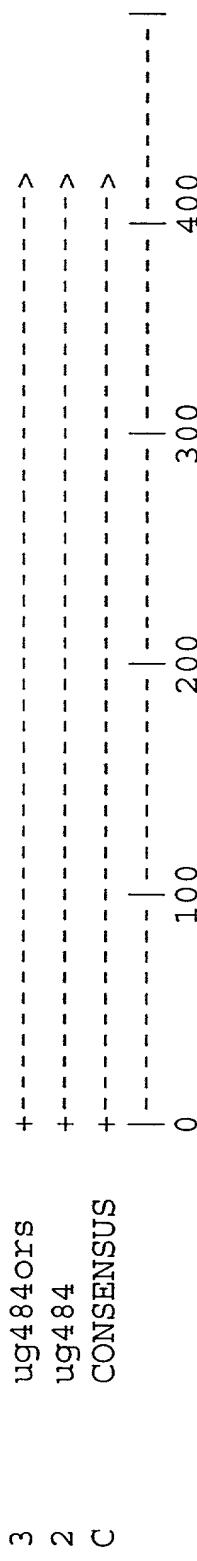
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Contig: ug483



Contig: ug484



Contig: ug484ft



Contig: ug485t

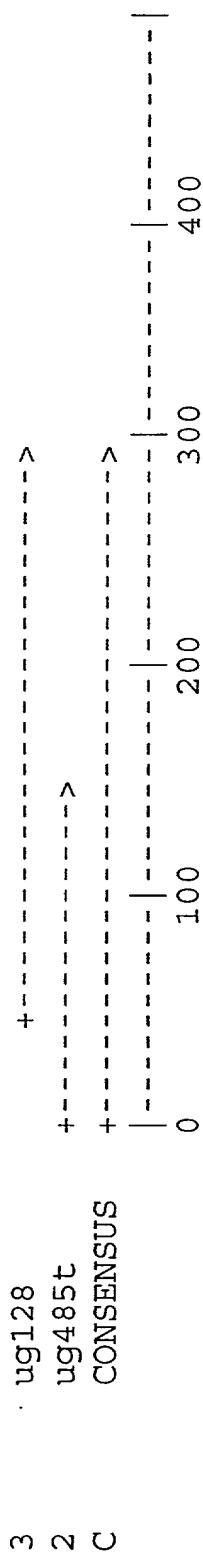


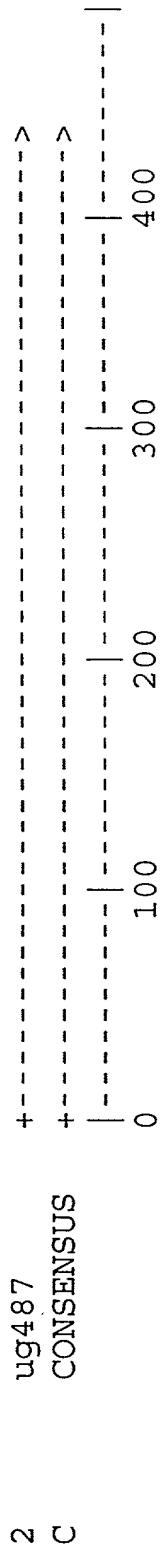
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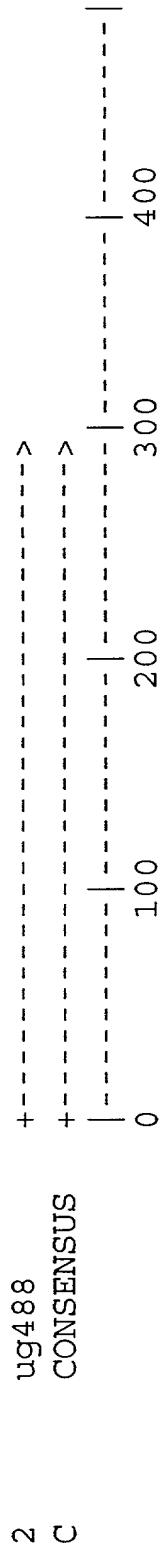
Contig: ug486



Contig: ug487



Contig: ug488



Contig: ug489

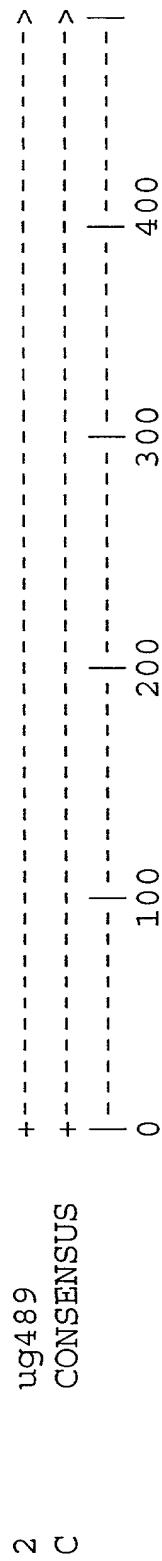
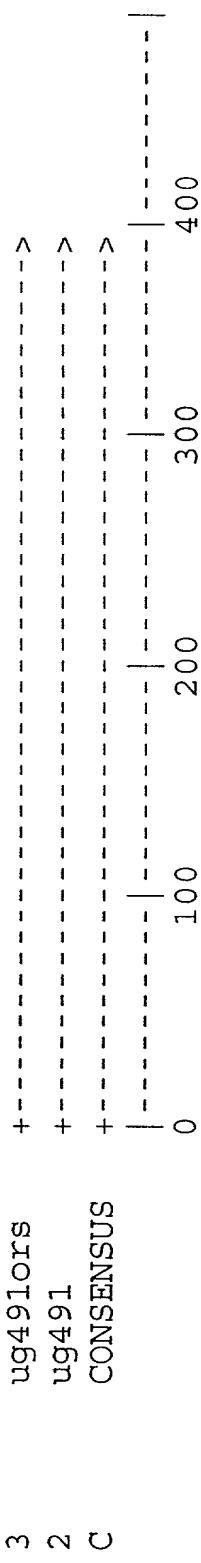


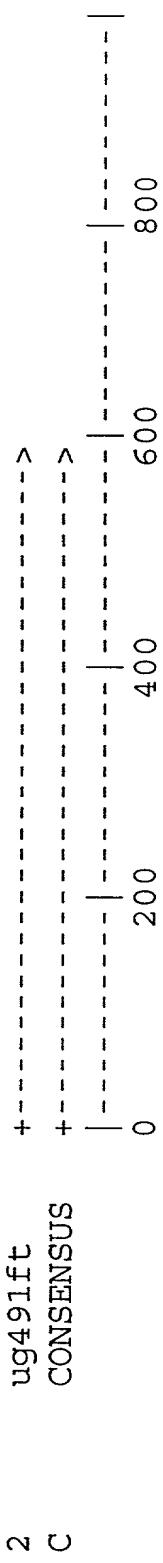
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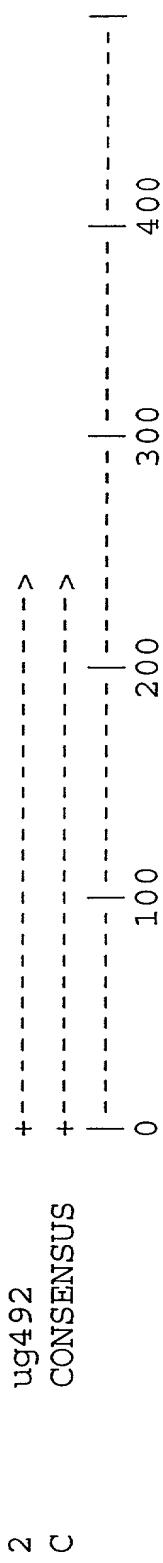
Contig: ug491



Contig: ug491ft



Contig: ug492



Contig: ug493

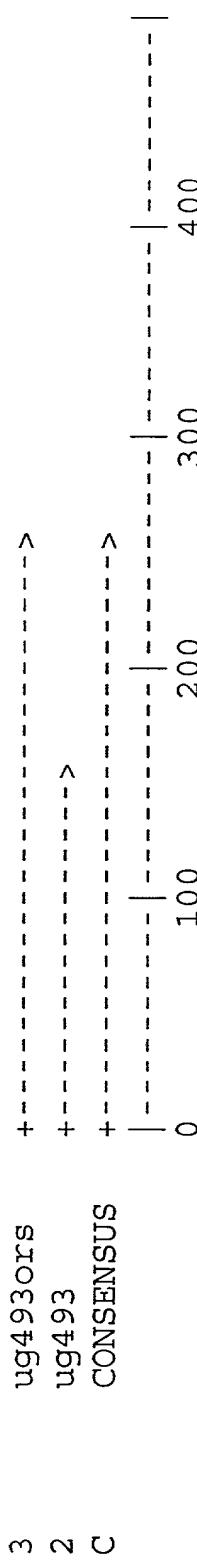
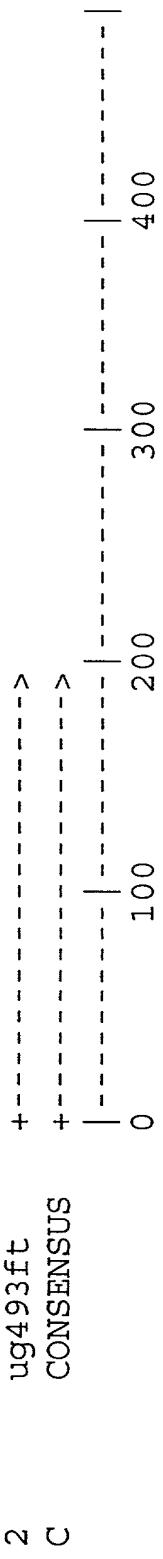


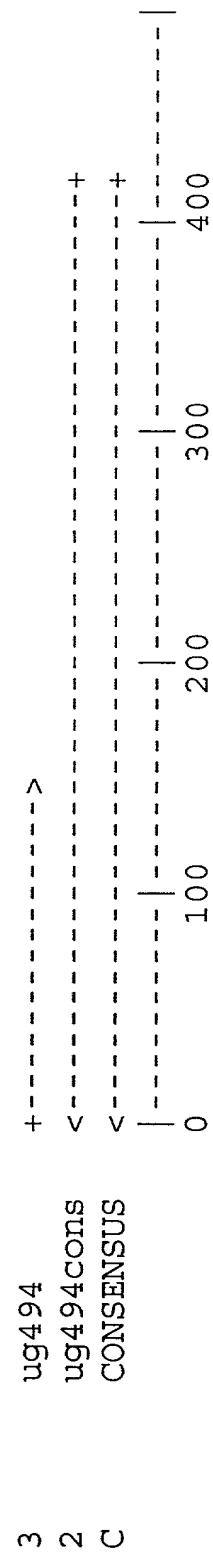
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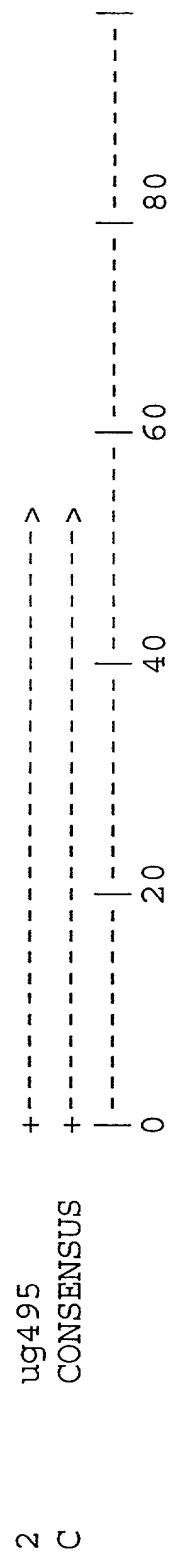
Contig: ug493ft



Contig: ug494cons



Contig: ug495



Contig: ug496

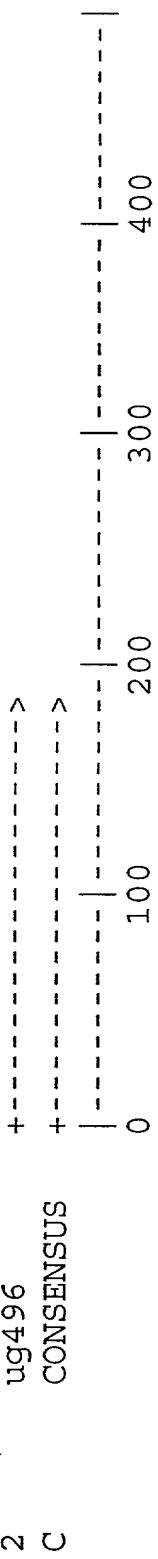
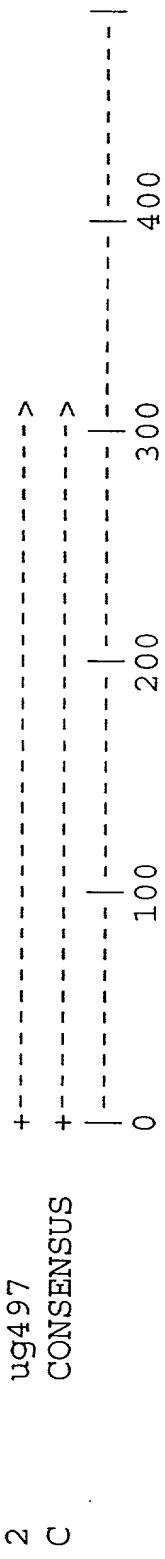


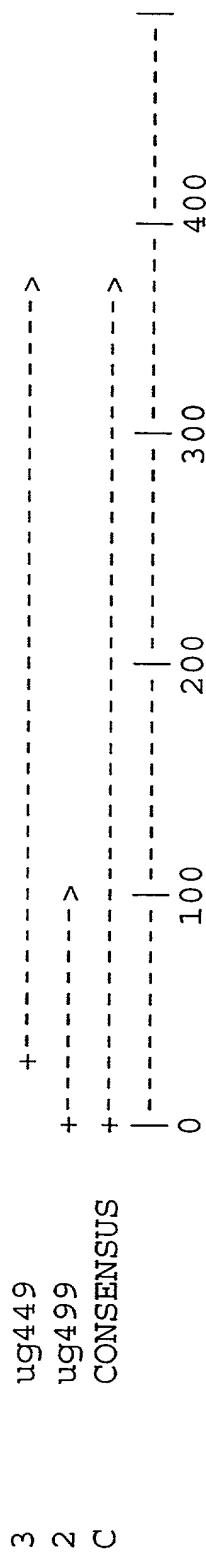
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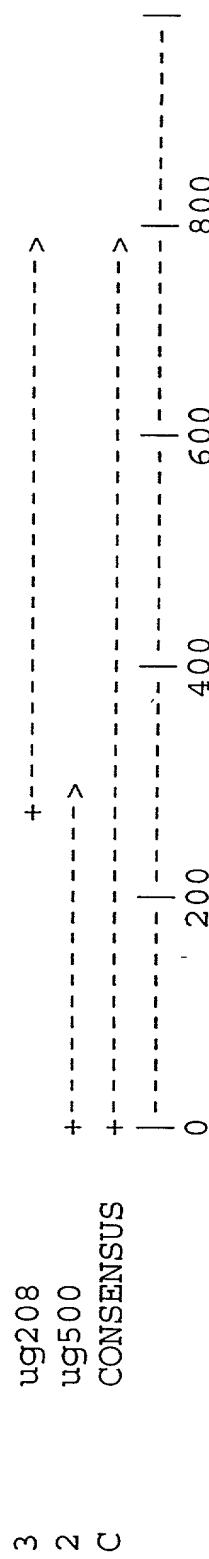
Contig: ug497



Contig: ug499



Contig: ug500



Contig: ug501

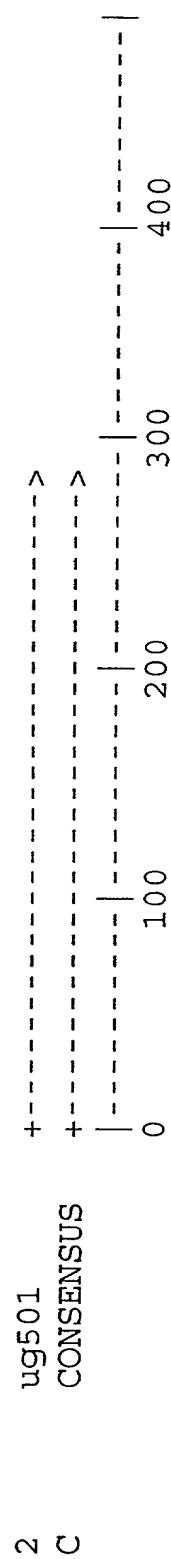
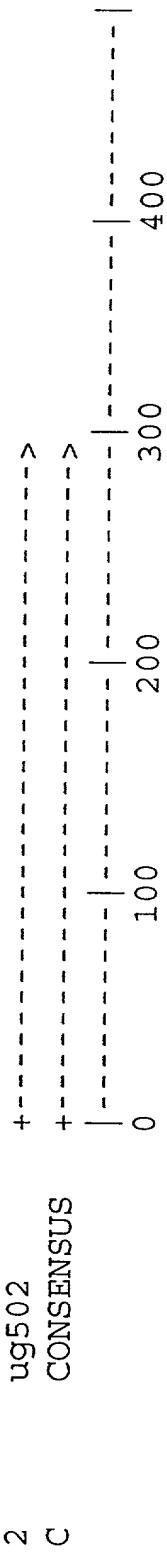


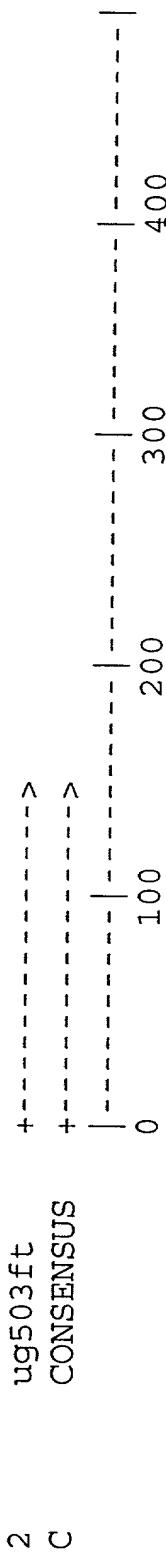
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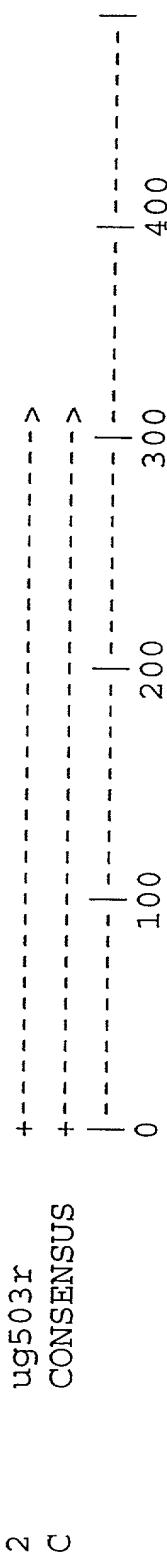
Contig: ug502



Contig: ug503ft



Contig: ug503r



Contig: ug503s

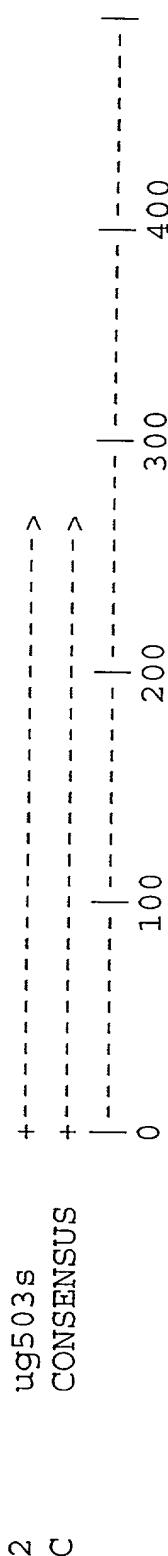
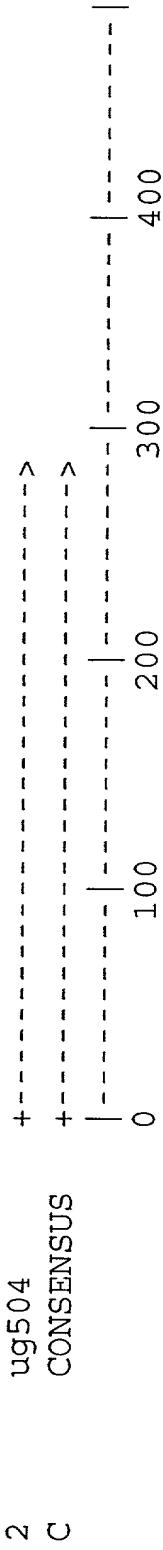


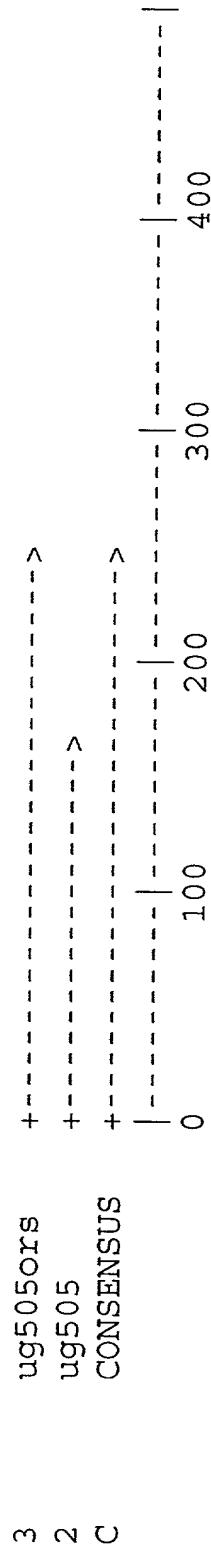
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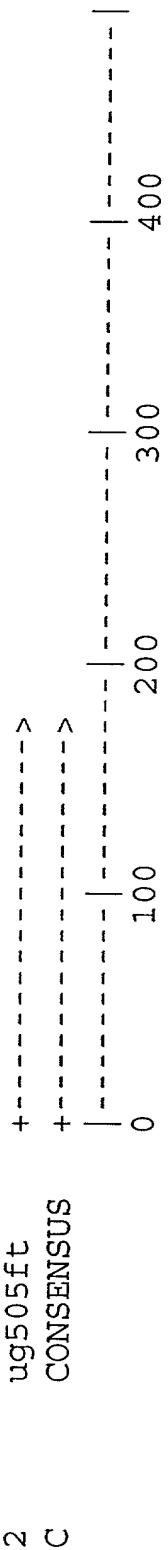
Contig: ug504



Contig: ug505



Contig: ug505ft



Contig: ug506

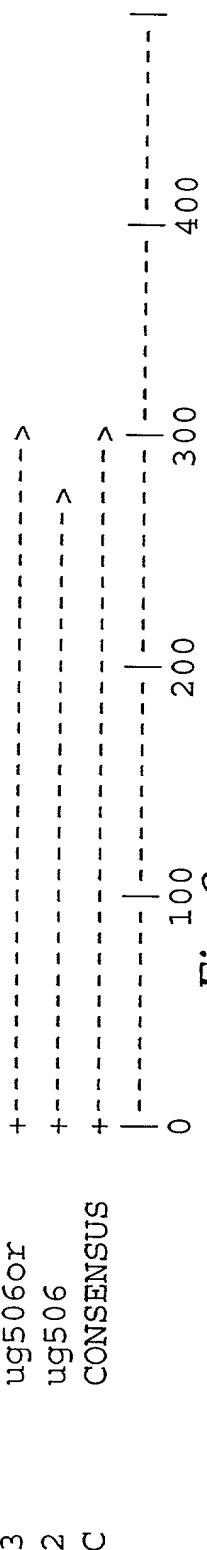
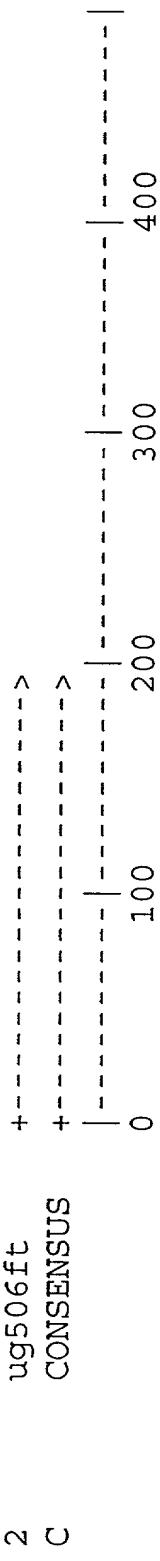


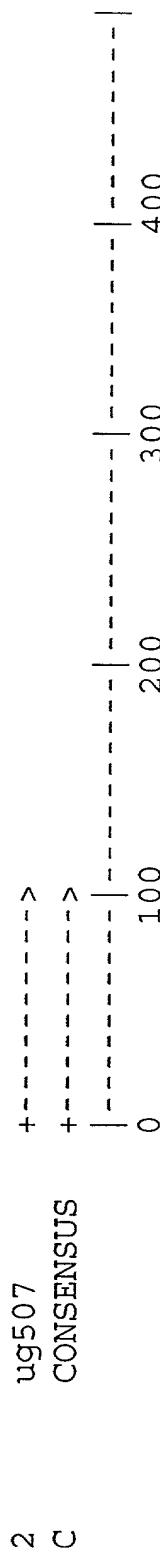
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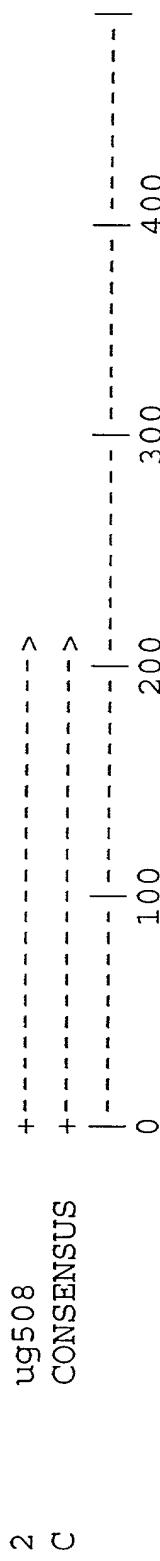
Contig: ug506ft



Contig: ug507



Contig: ug508



Contig: ug509

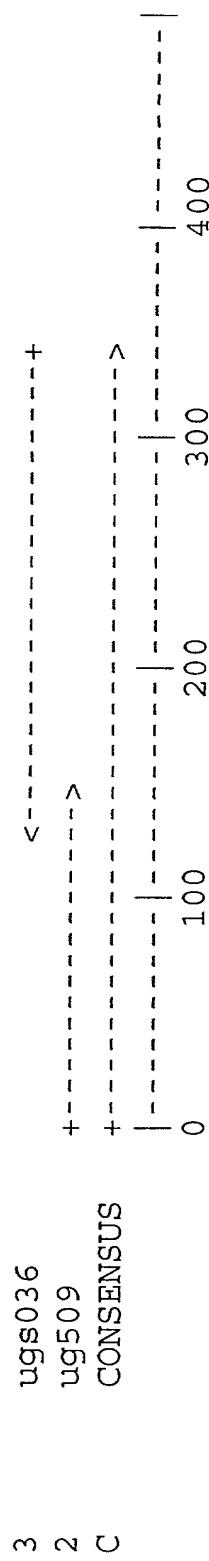
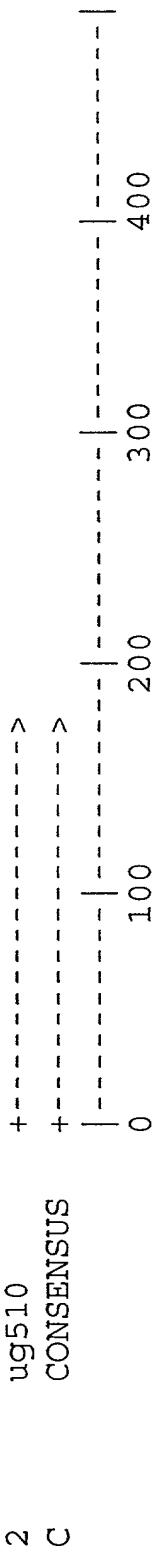


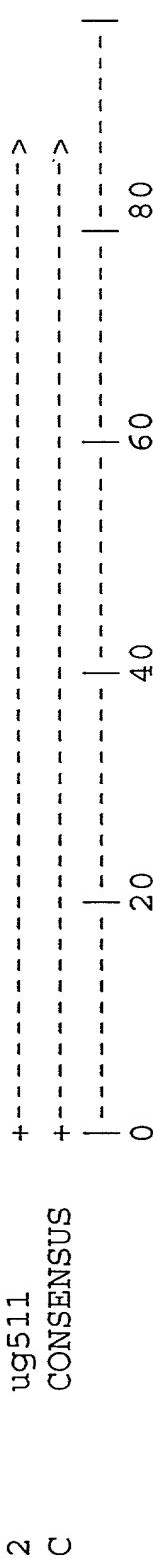
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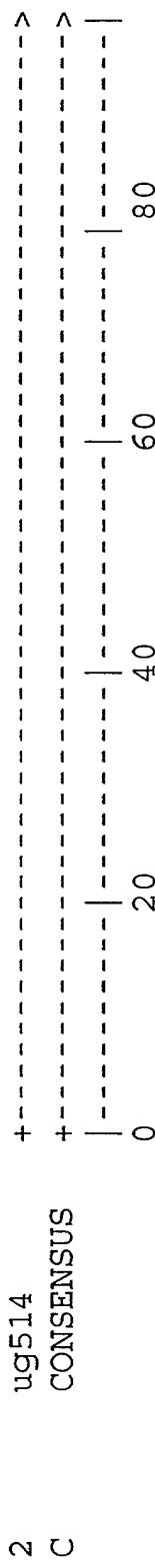
Contig: ug510



Contig: ug511



Contig: ug514



Contig: ug516

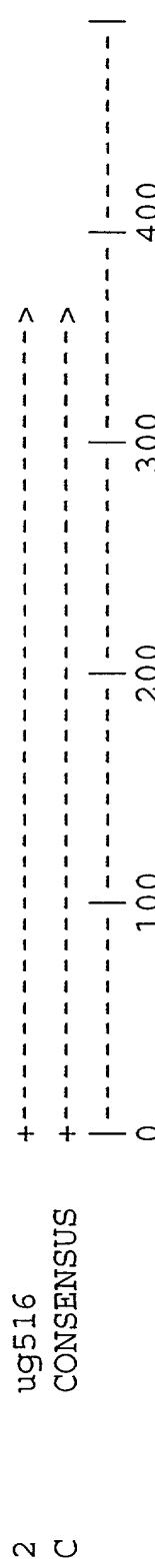
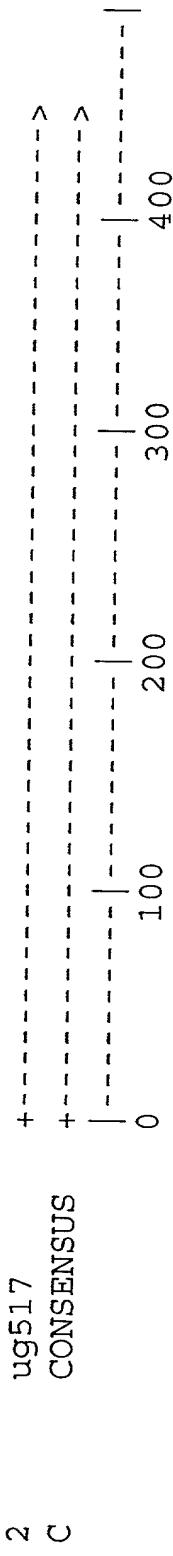


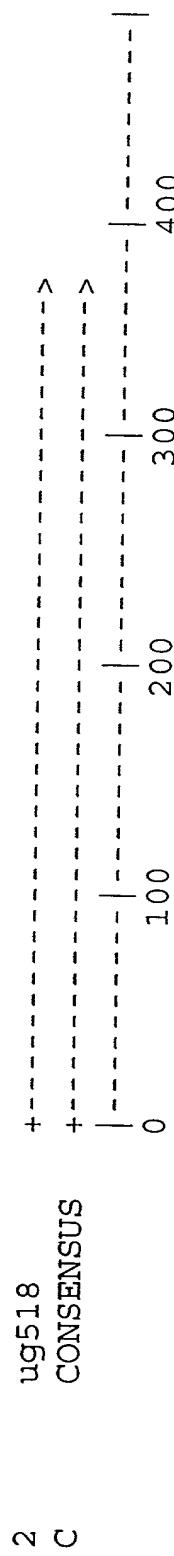
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400/472

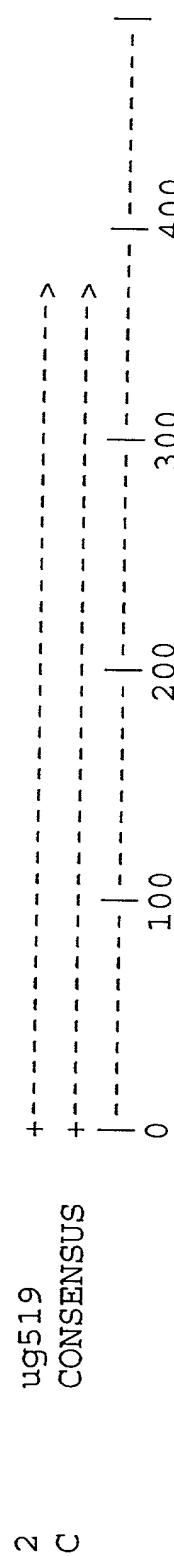
Contig: ug517



Contig: ug518



Contig: ug519



Contig: ug520

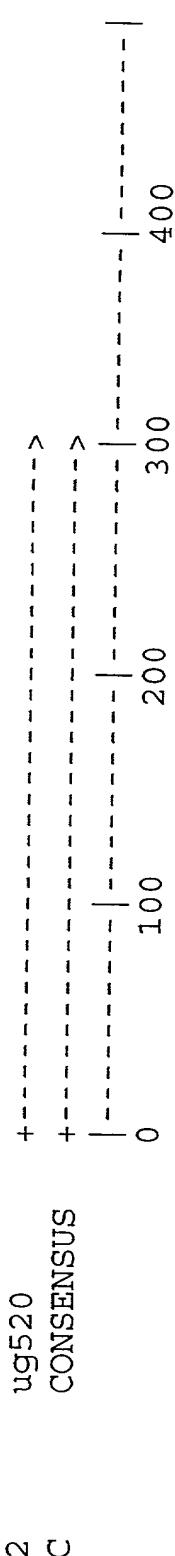
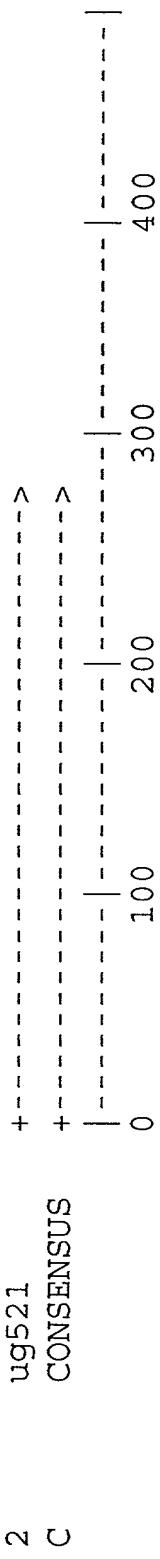


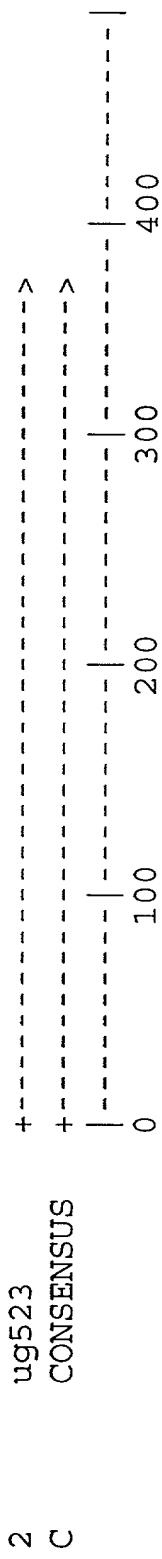
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401/472

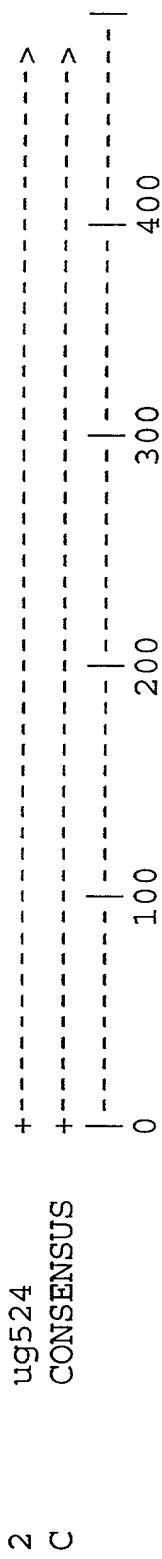
Contig: ug521



Contig: ug523



Contig: ug524



Contig: ug525

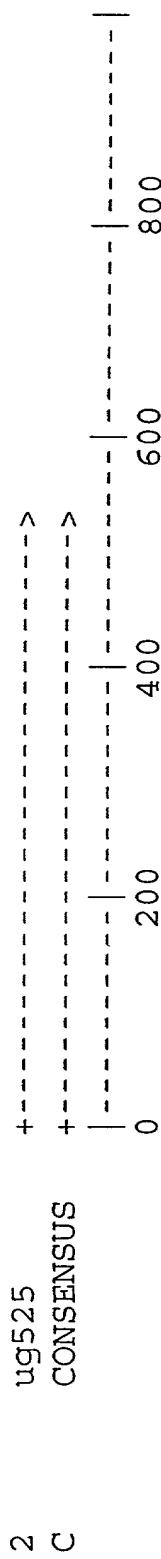
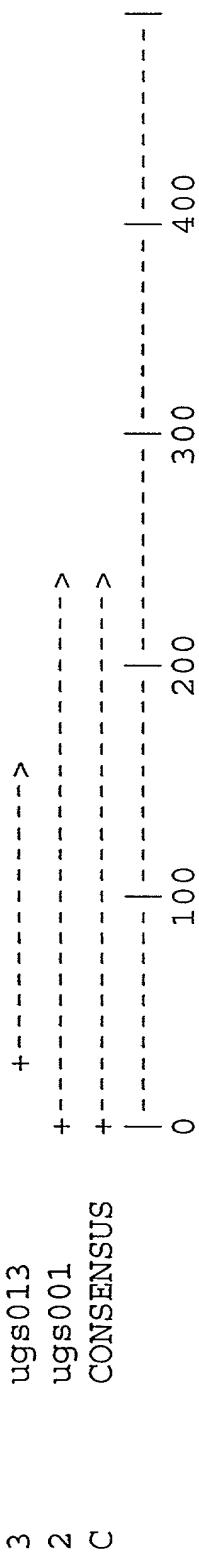


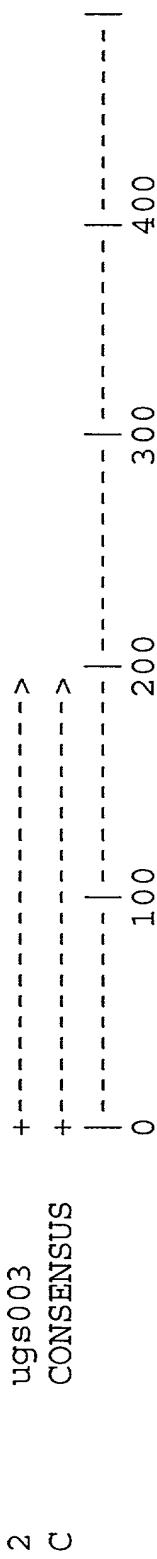
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402/472

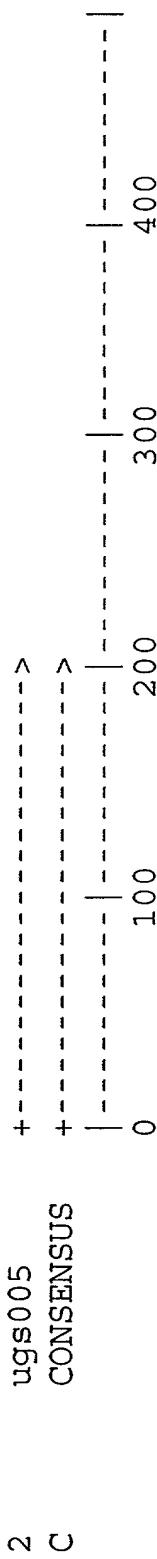
Contig: ugs001



Contig: ugs003



Contig: ugs005



Contig: ugs006

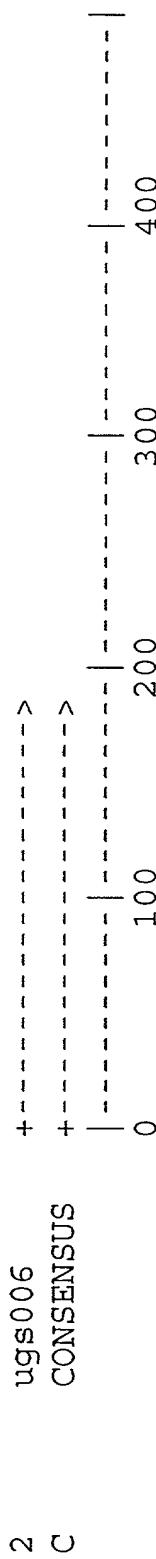
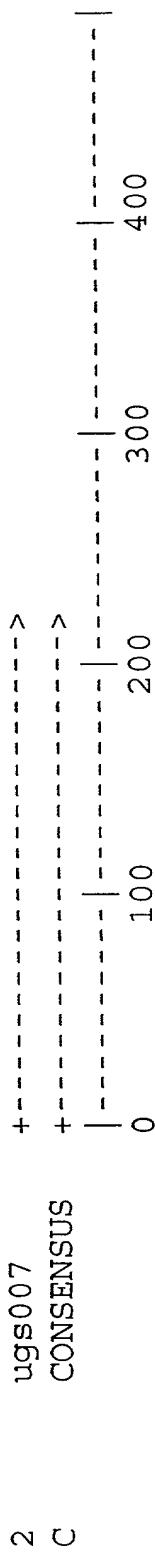


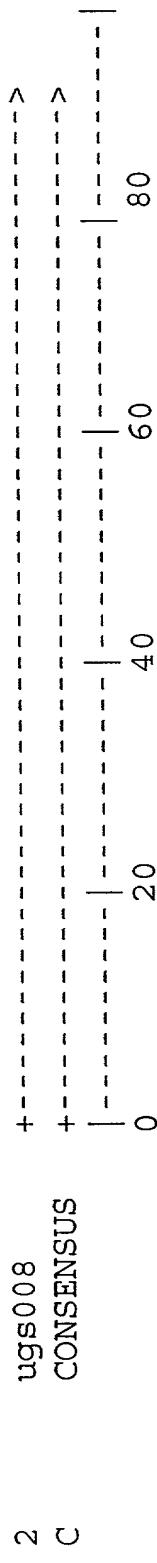
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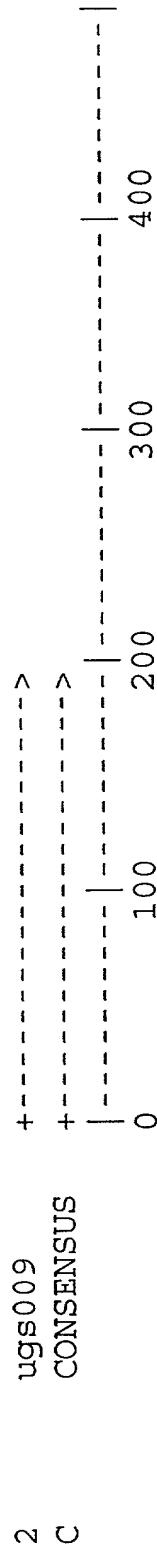
Contig: ugs007



Contig: ugs008



Contig: ugs009



Contig: ugs010

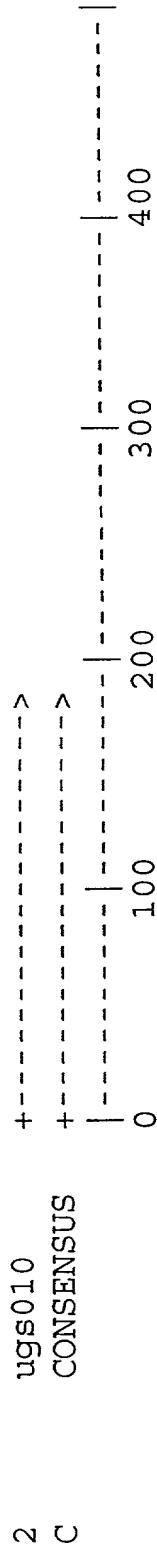
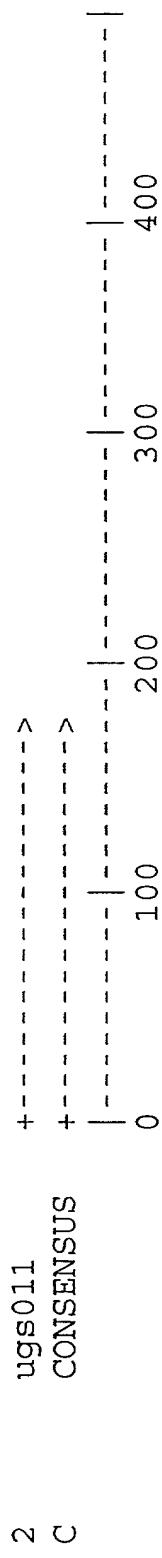


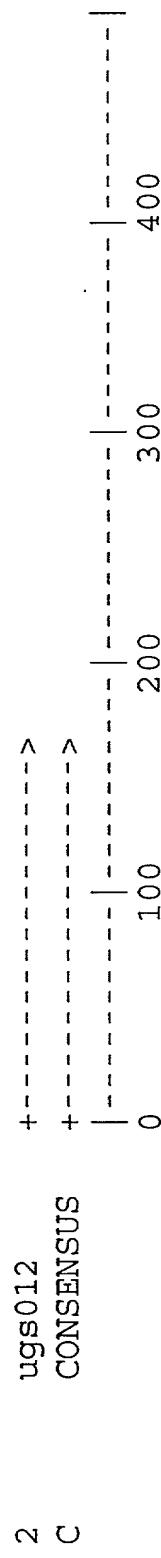
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Contig: ugs011



Contig: ugs012



Contig: ugs014



Contig: ugs016

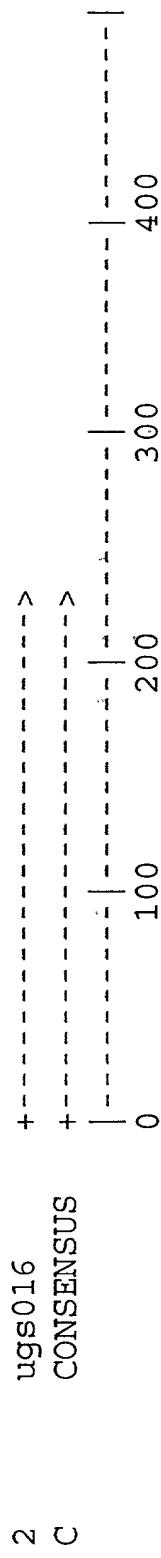
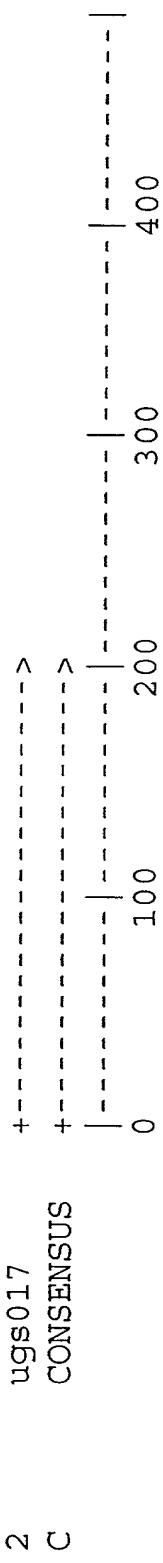


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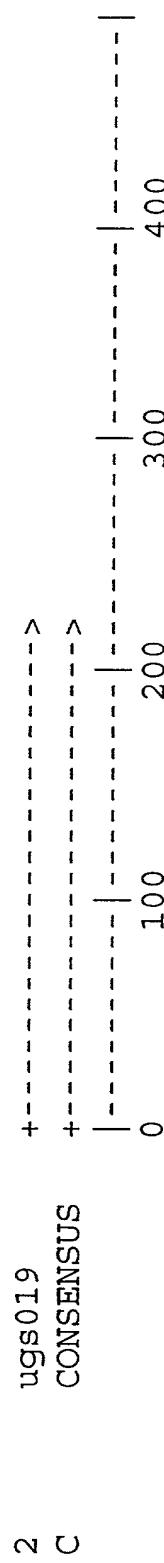
Contig: ugs017



Contig: ugs018



Contig: ugs019



Contig: ugs020

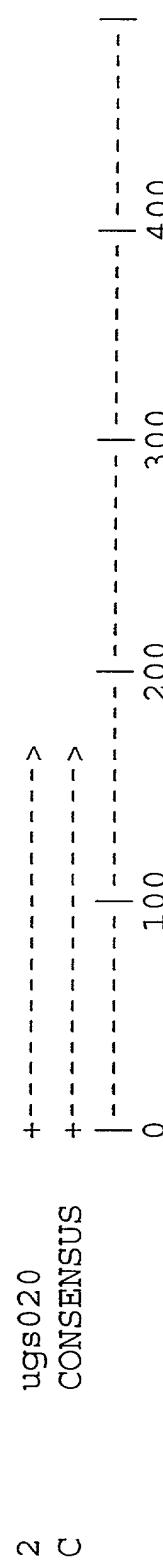


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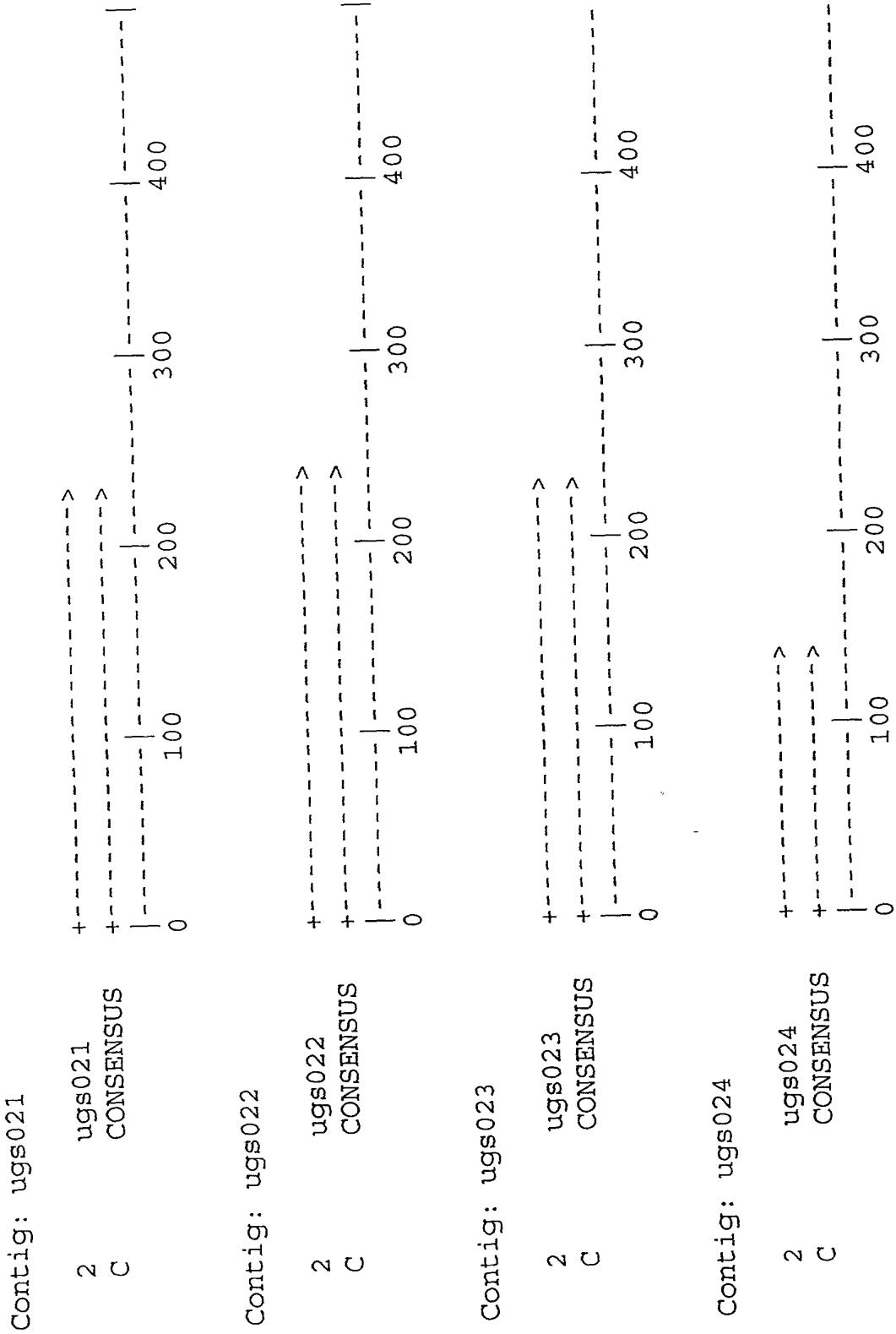
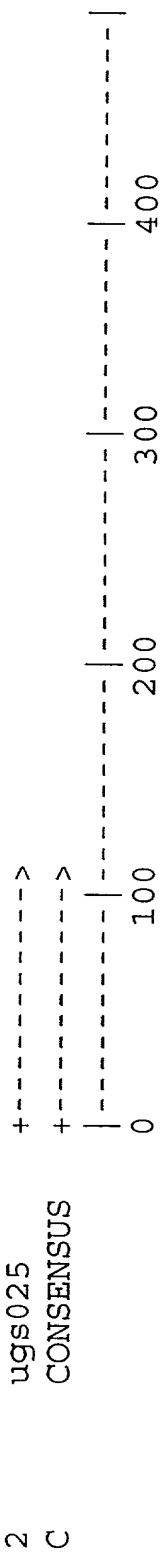


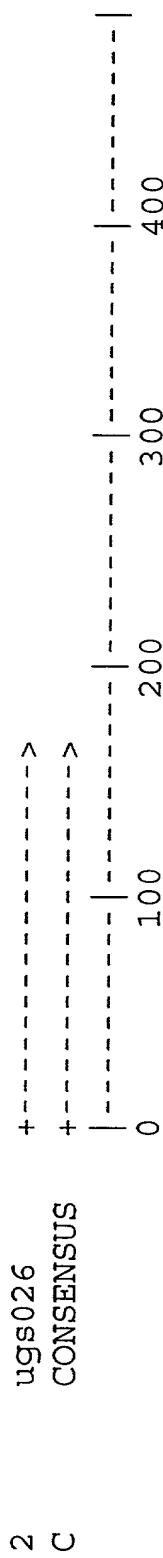
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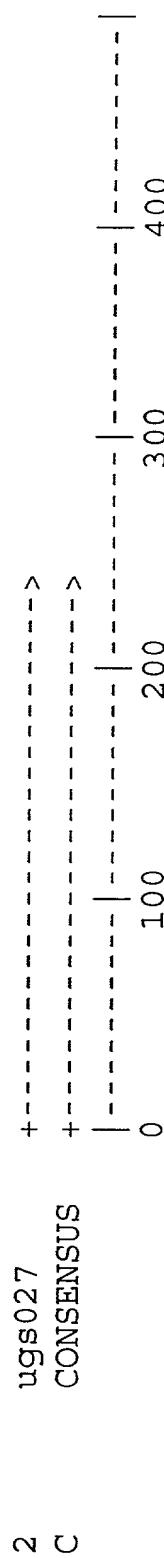
Contig: ugs025



Contig: ugs026



Contig: ugs027



Contig: ugs028

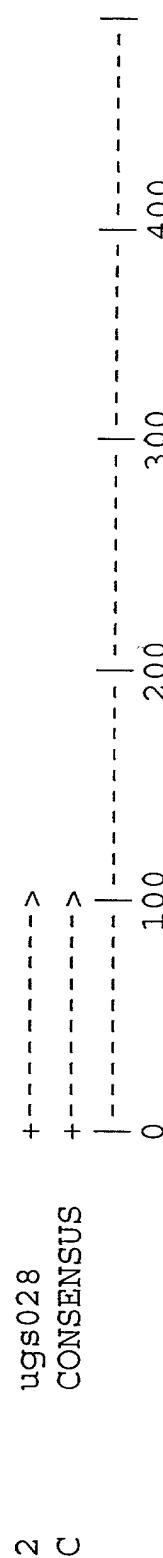
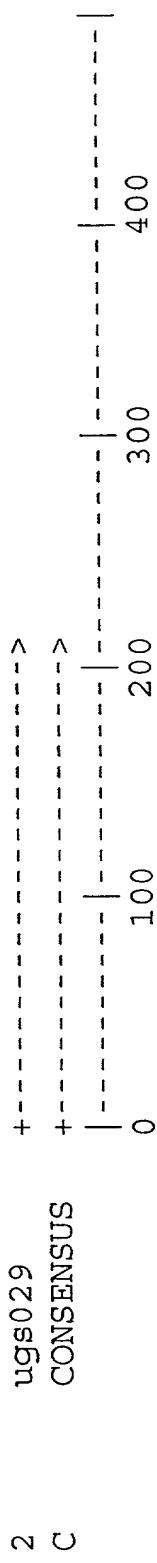


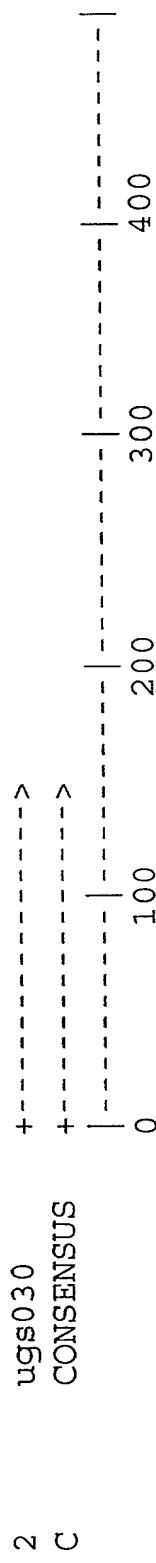
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Contig: ugs029



Contig: ugs030



Contig: ugs031



Contig: ugs032

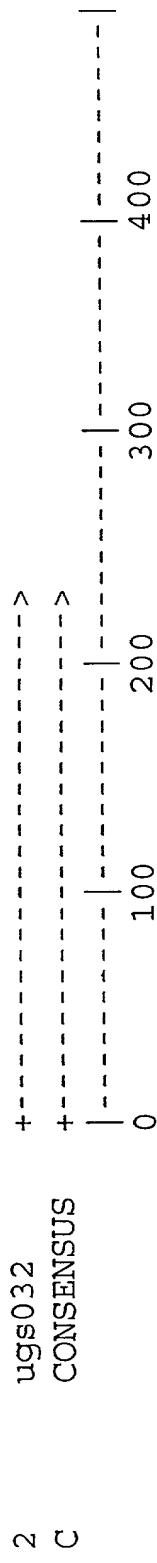
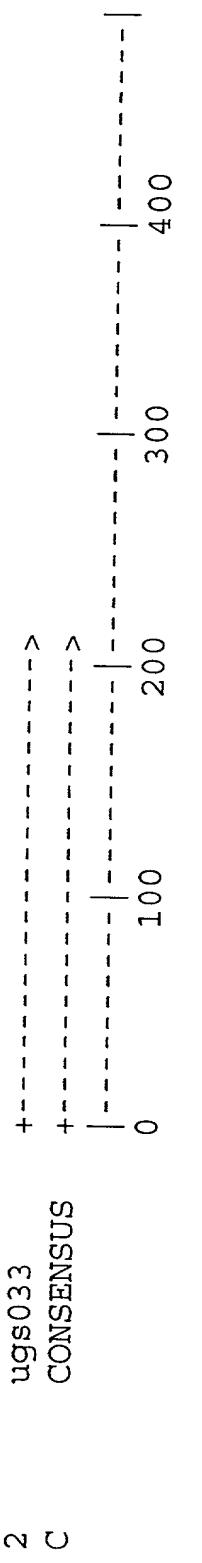


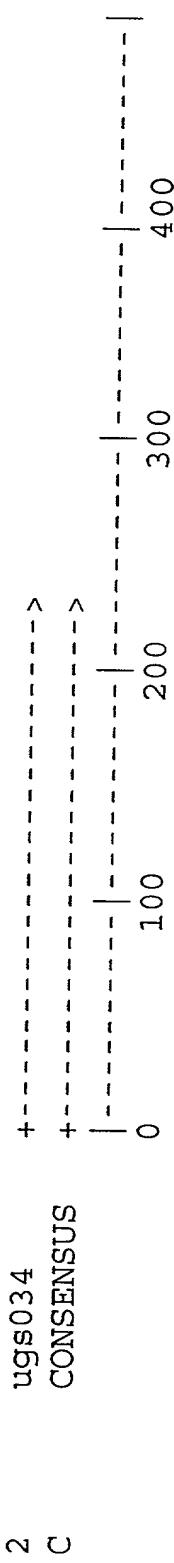
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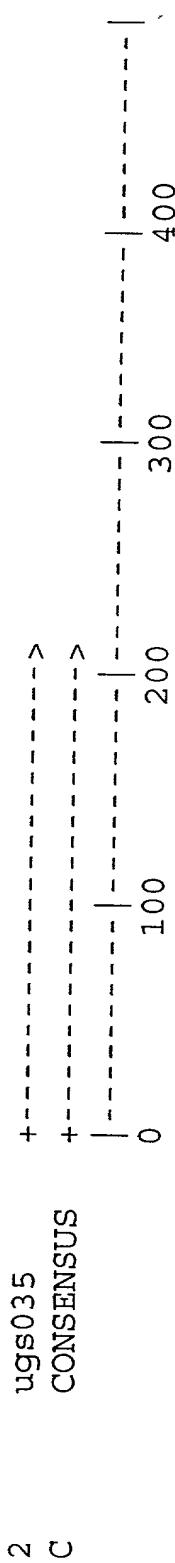
Contig: ugs033



Contig: ugs034



Contig: ugs035



Contig: ugs039

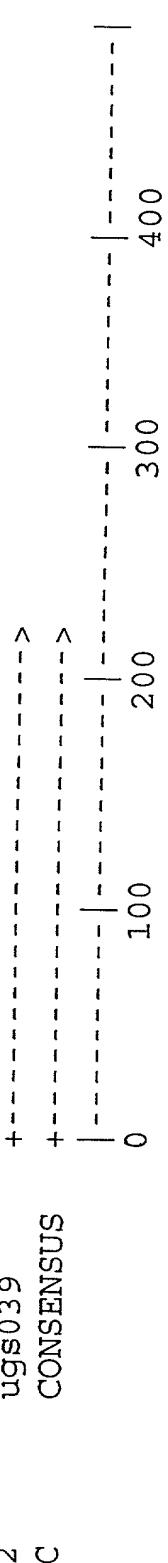


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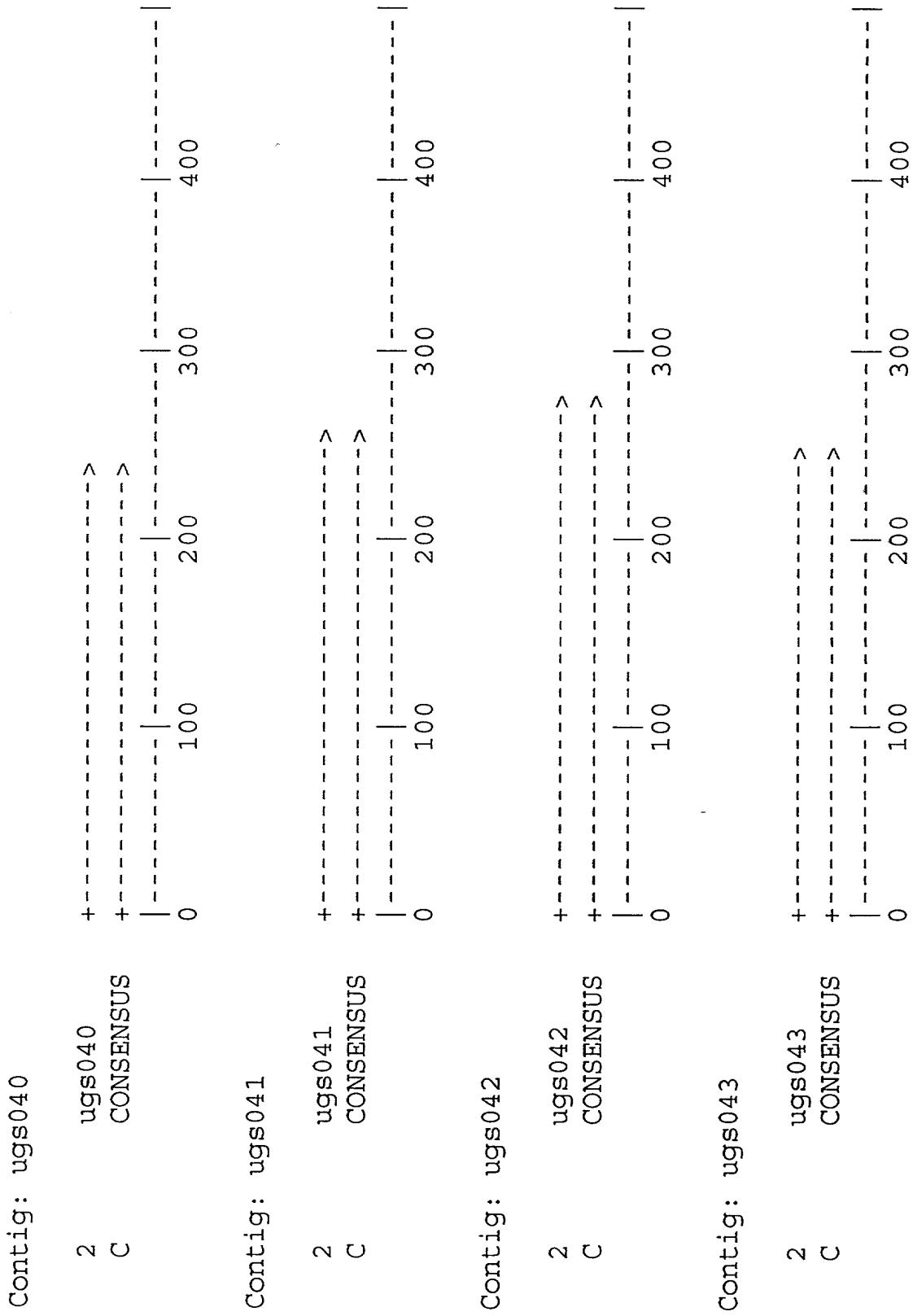
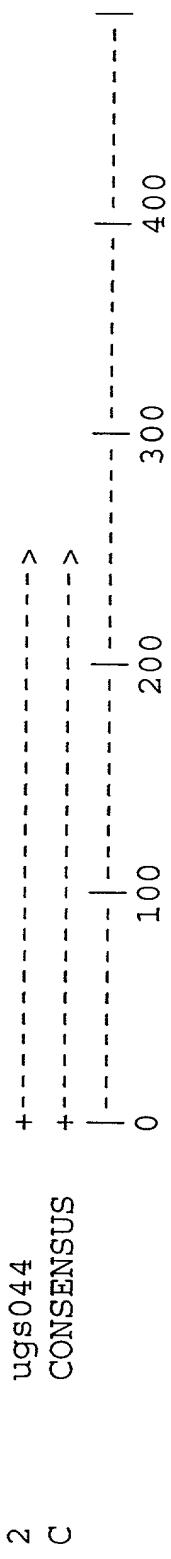


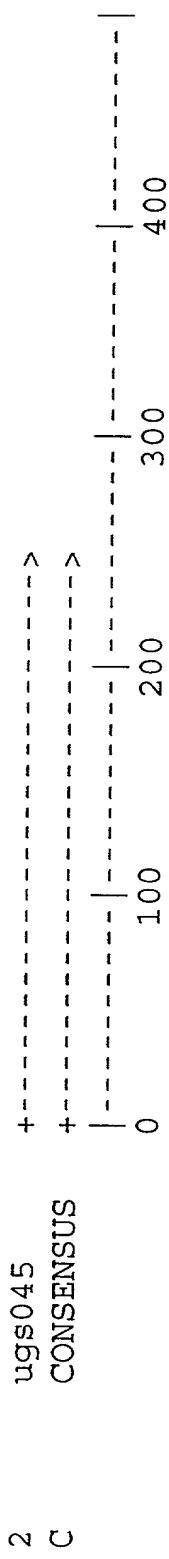
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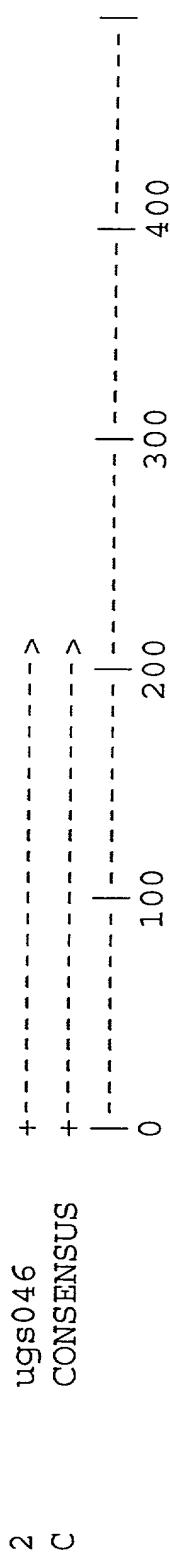
Contig: ugs044



Contig: ugs045



Contig: ugs046



Contig: ugs047

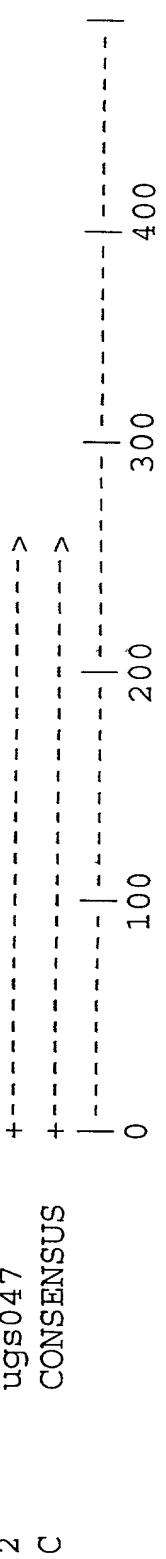
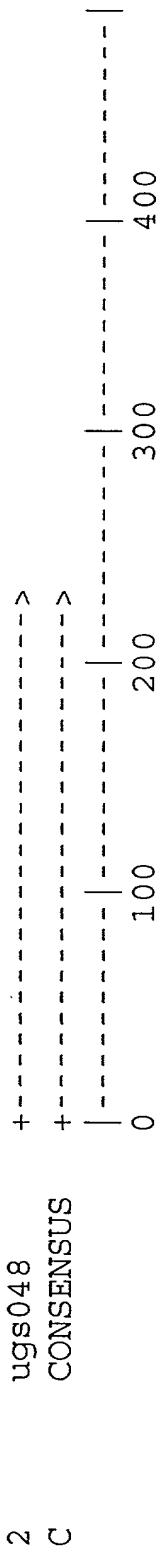


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Contig: ugs048



Contig: ugs050



Contig: ugs051



Contig: ugs052

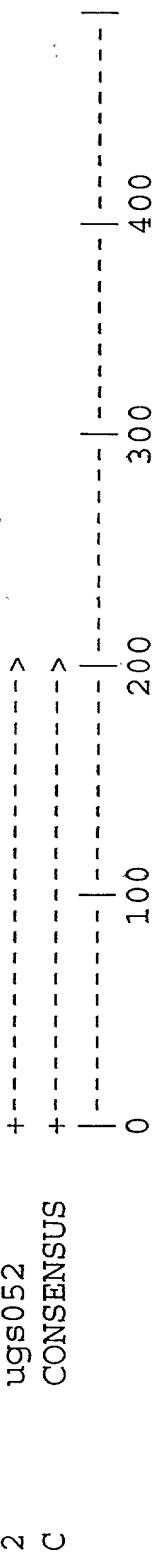


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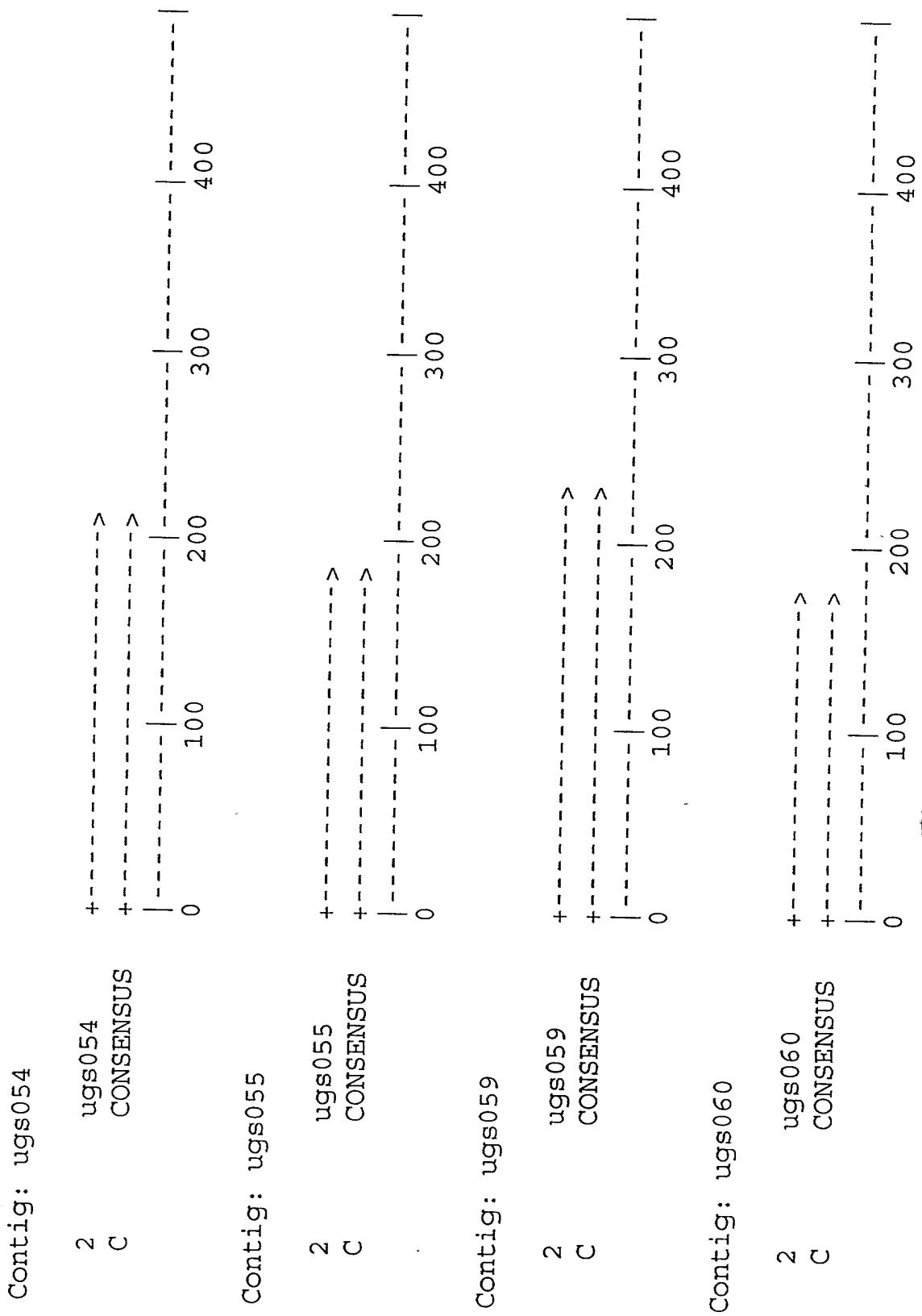
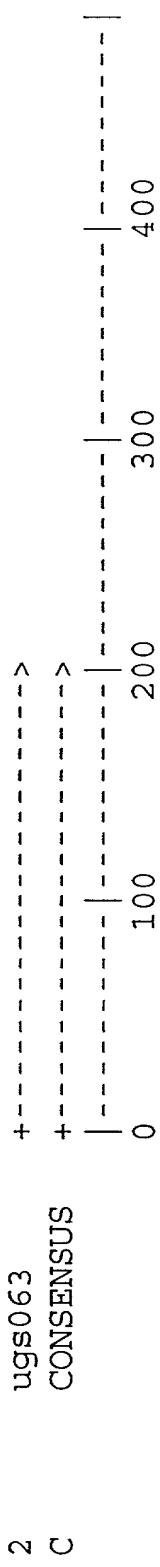


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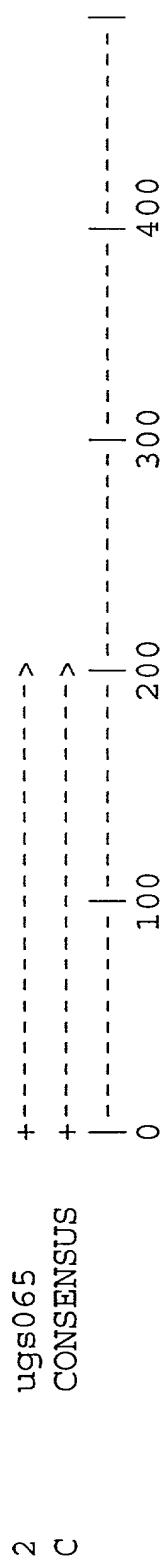
Contig: ugs063



Contig: ugs064



Contig: ugs065



Contig: ugs066

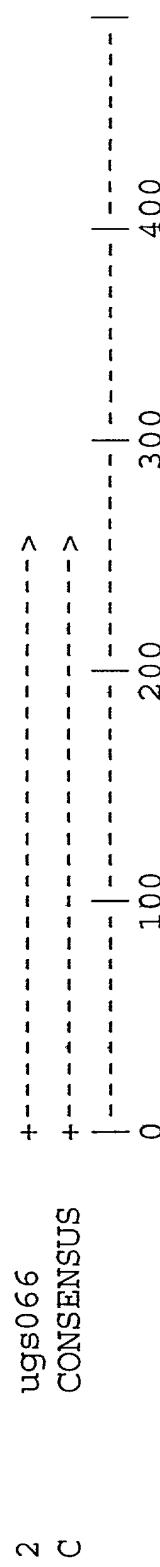


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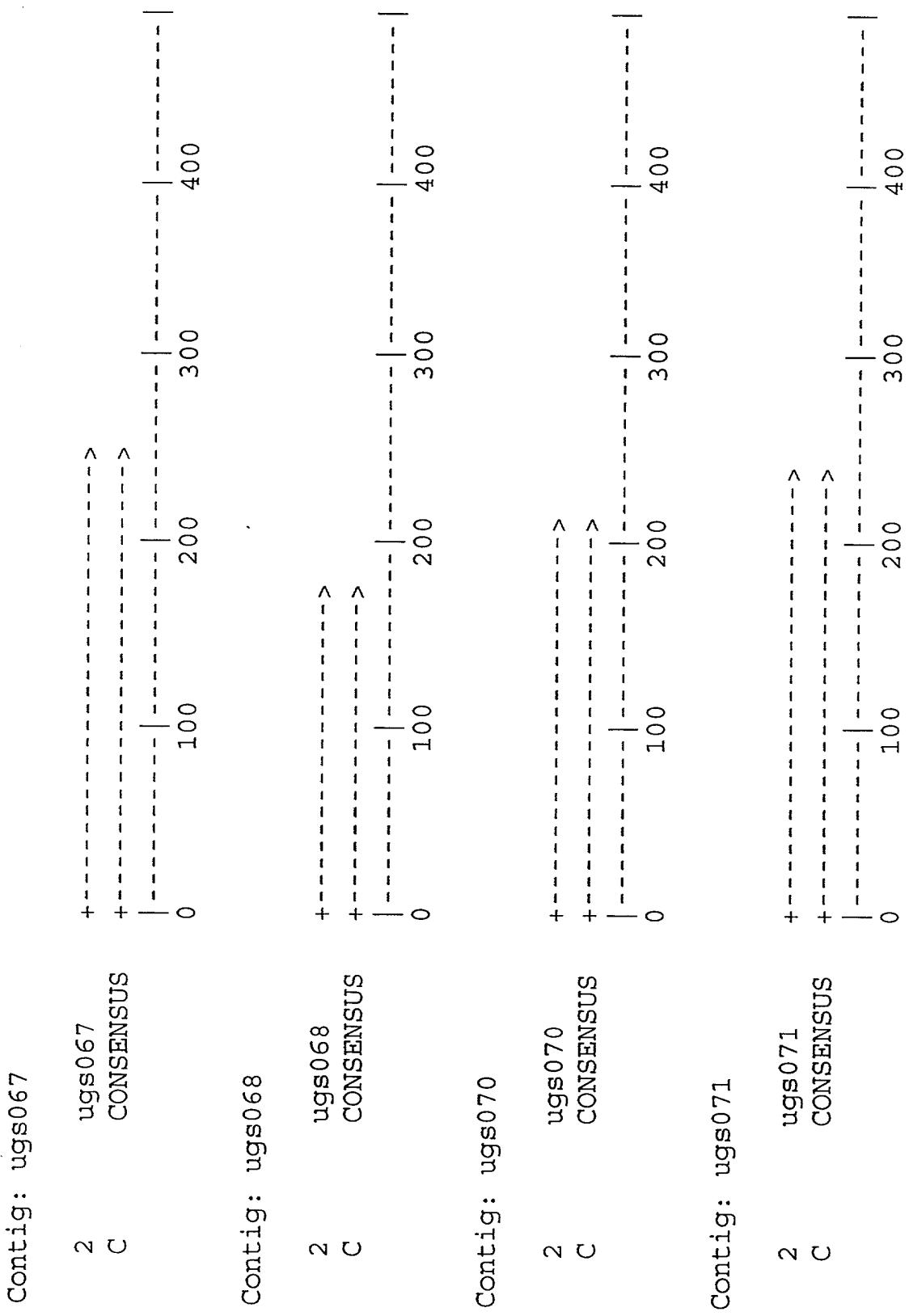
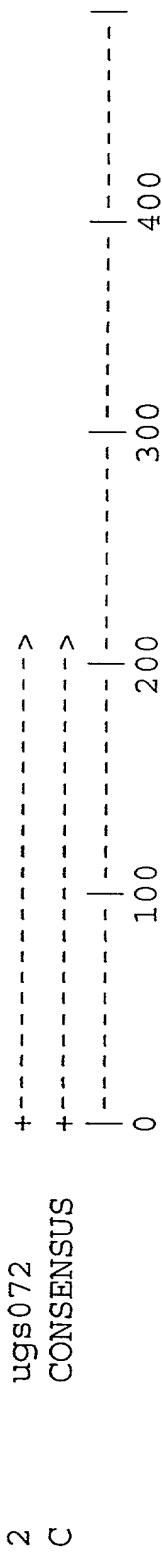


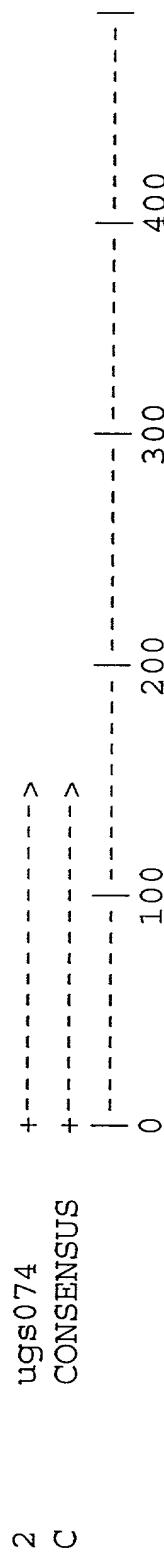
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Contig: ugs072



Contig: ugs074



Contig: ugs077



Contig: ugs078

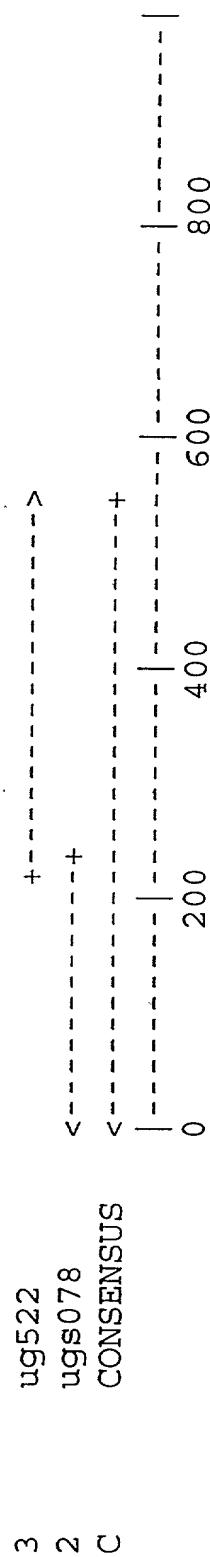
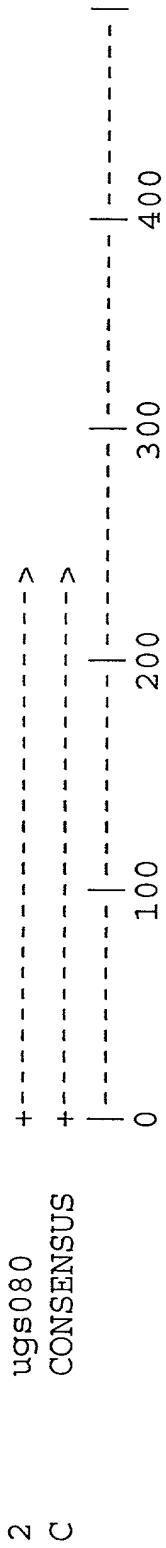


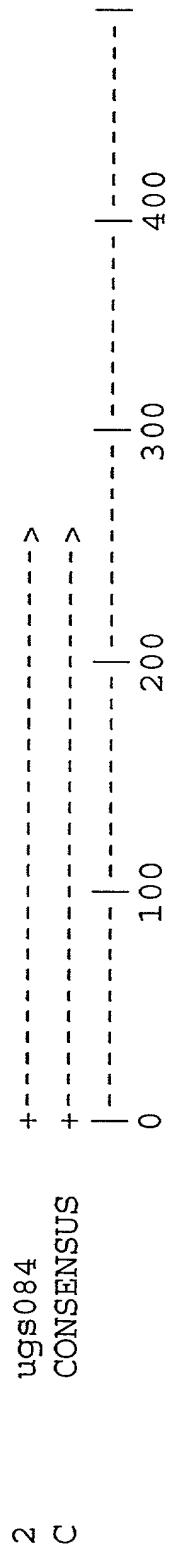
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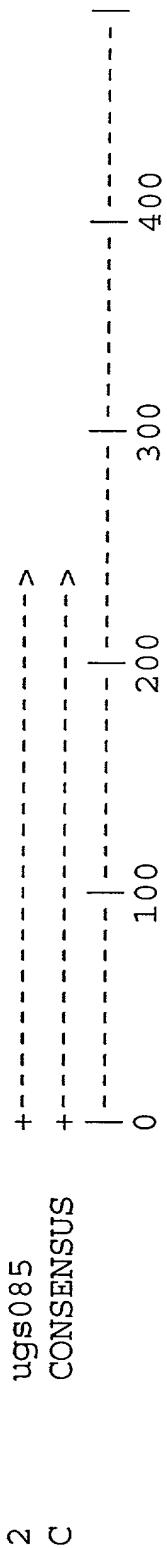
Contig: ugs080



Contig: ugs084



Contig: ugs085



Contig: ugs086

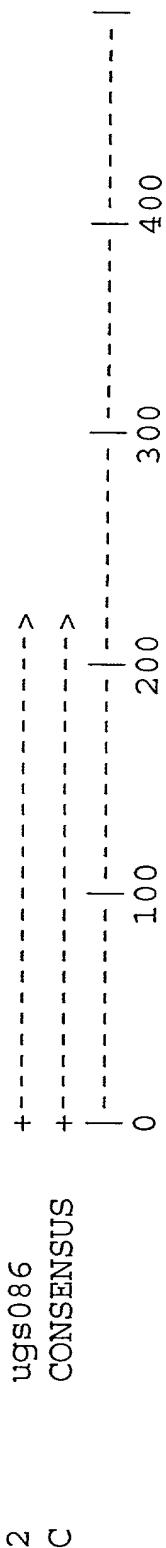
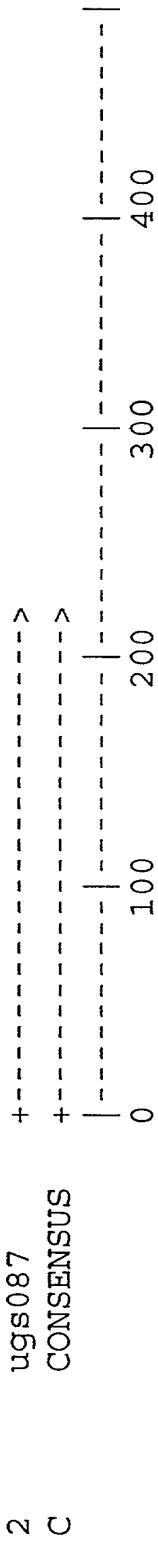


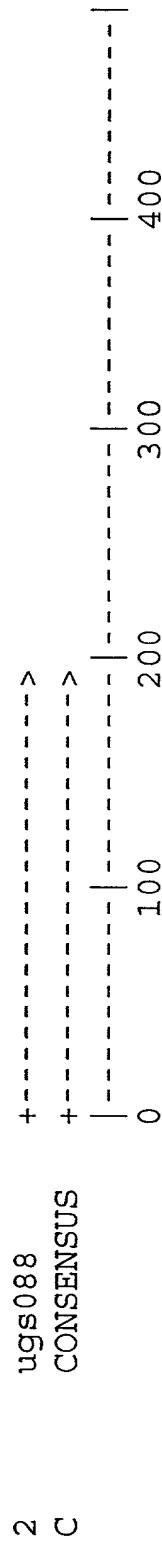
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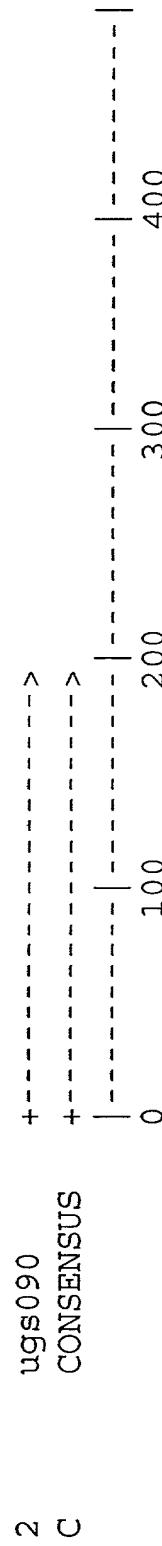
Contig: ugs087



Contig: ugs088



Contig: ugs090



Contig: ugs091



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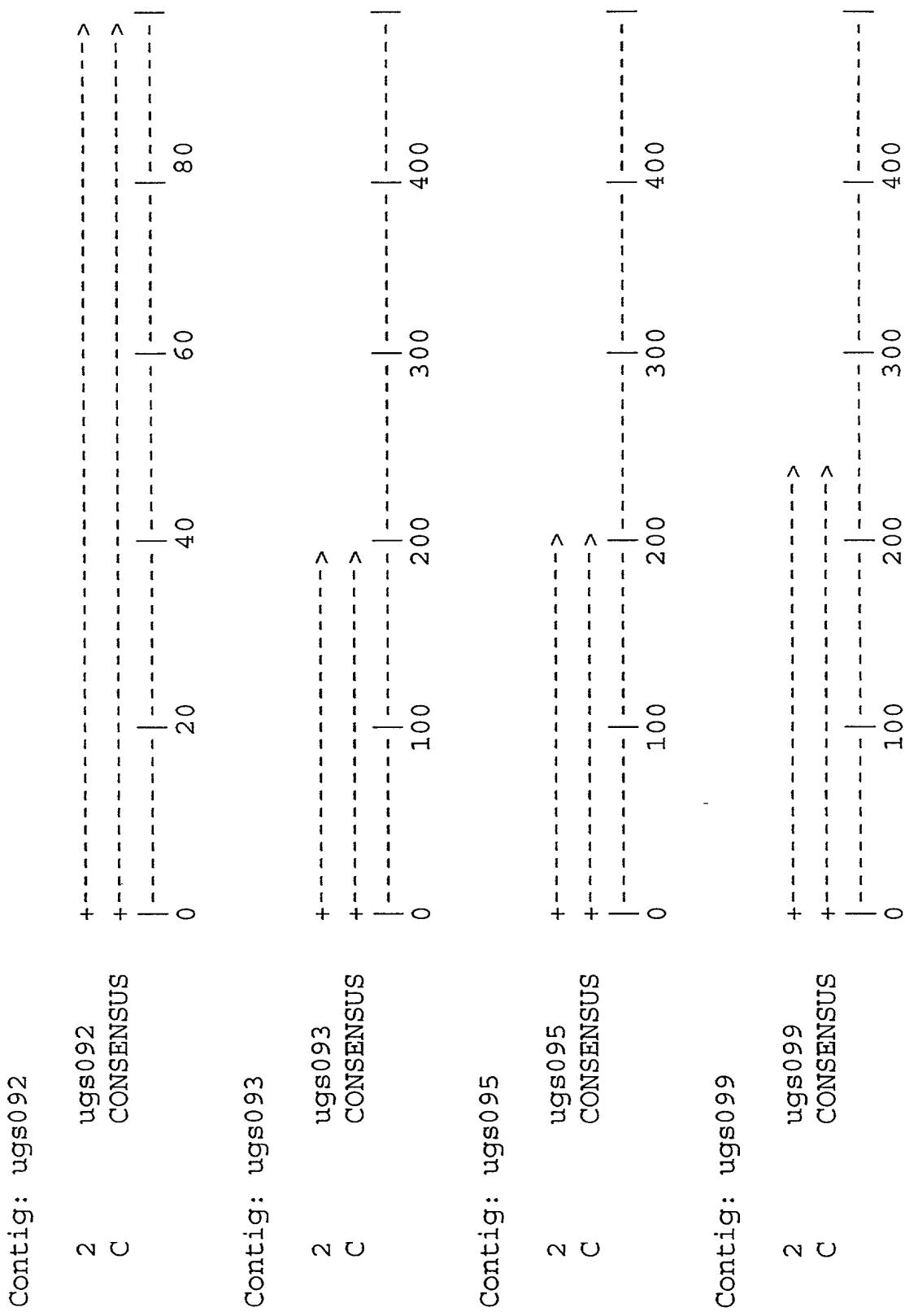


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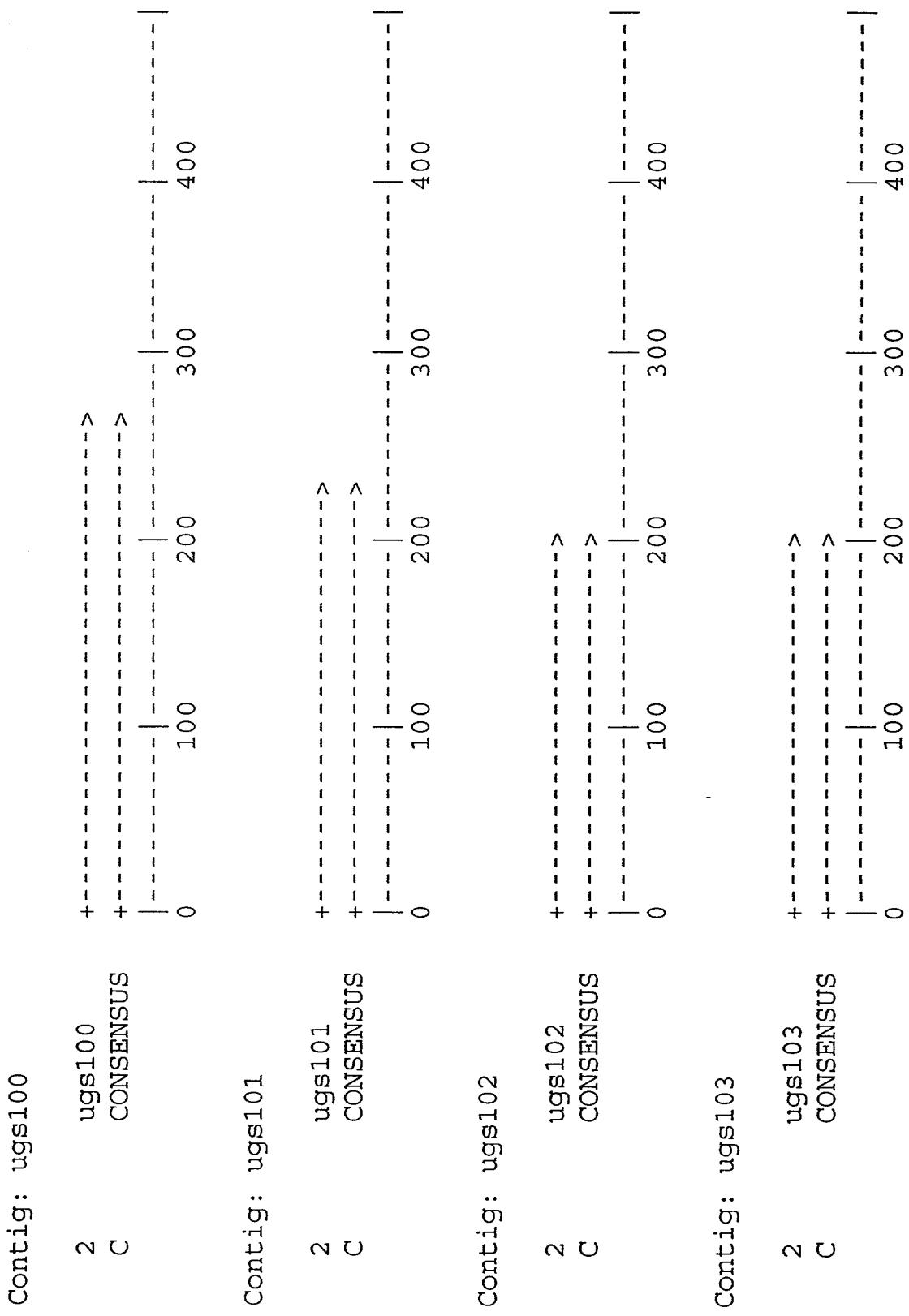
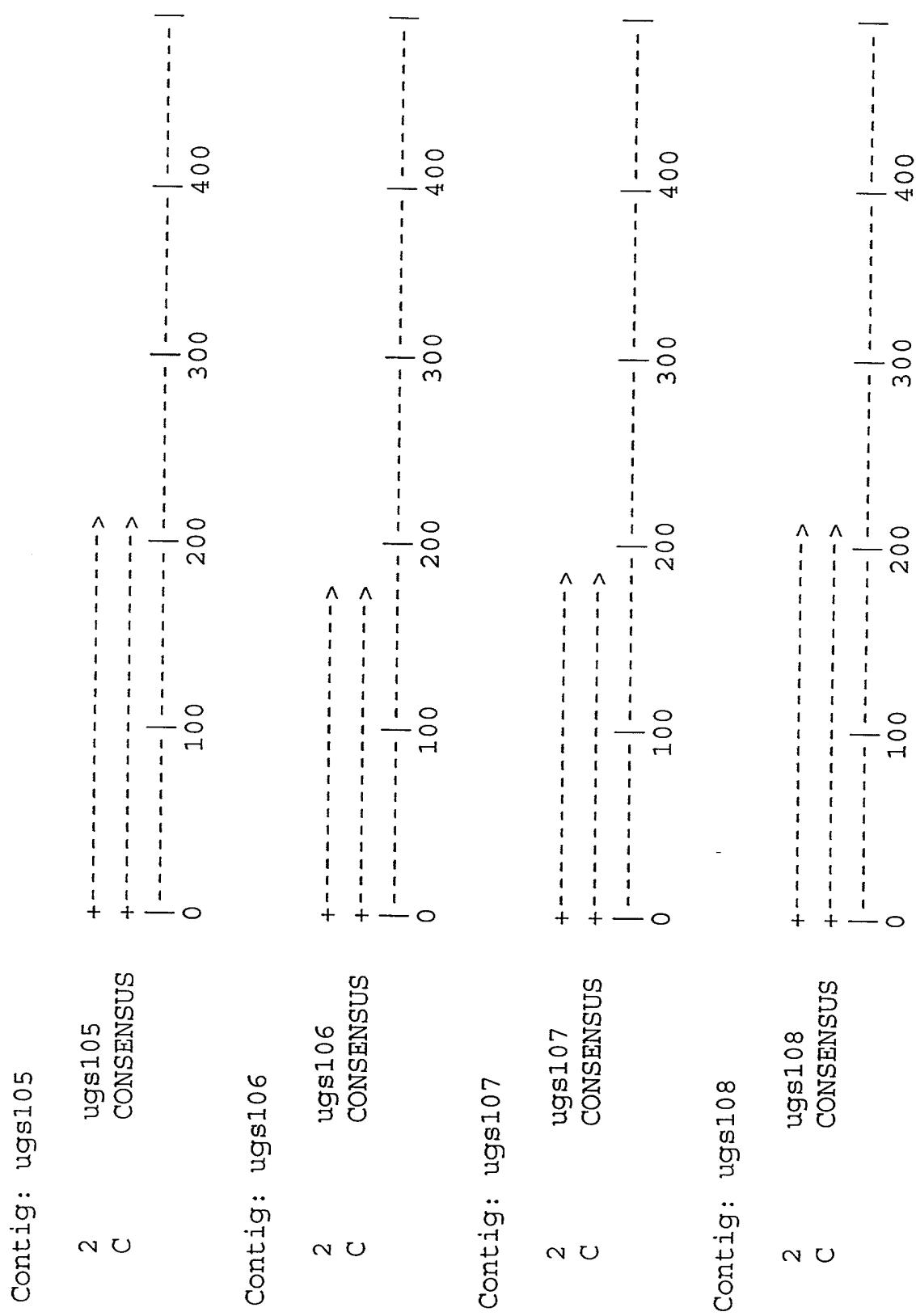


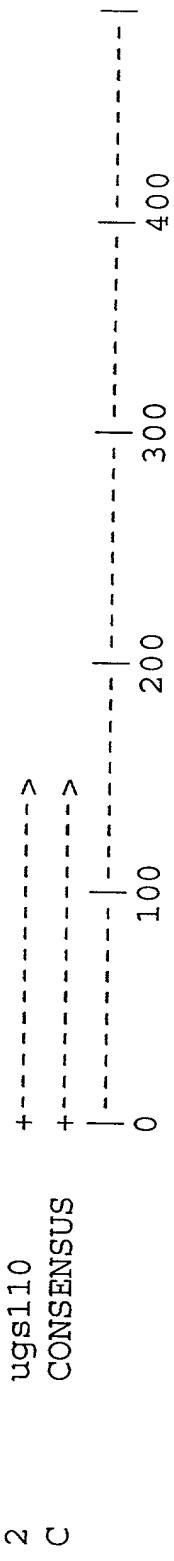
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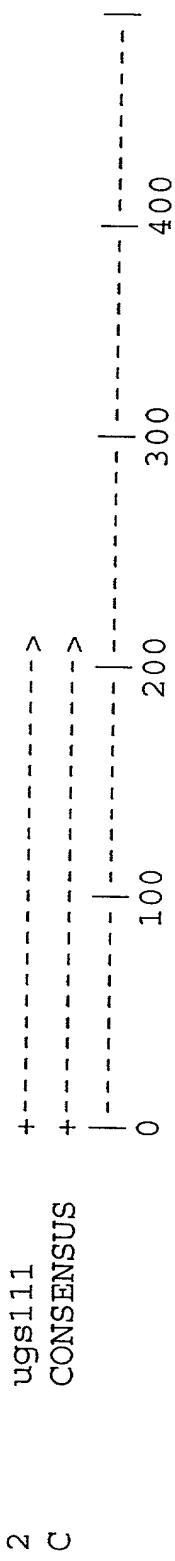


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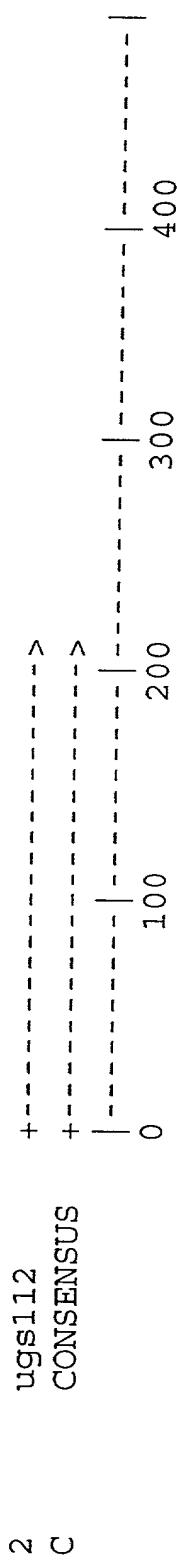
Contig: ugs110



Contig: ugs111



Contig: ugs112



Contig: ugs113

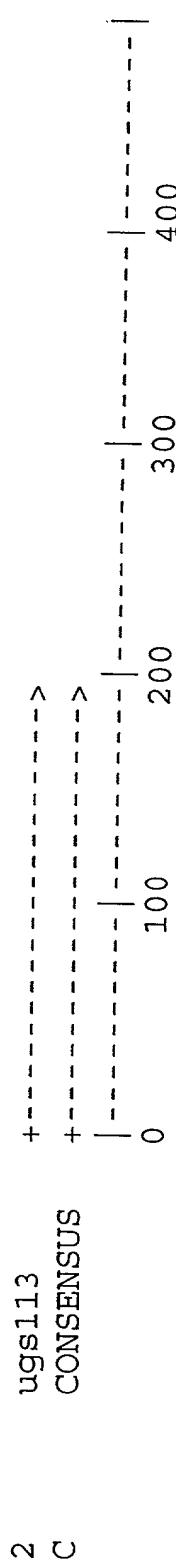
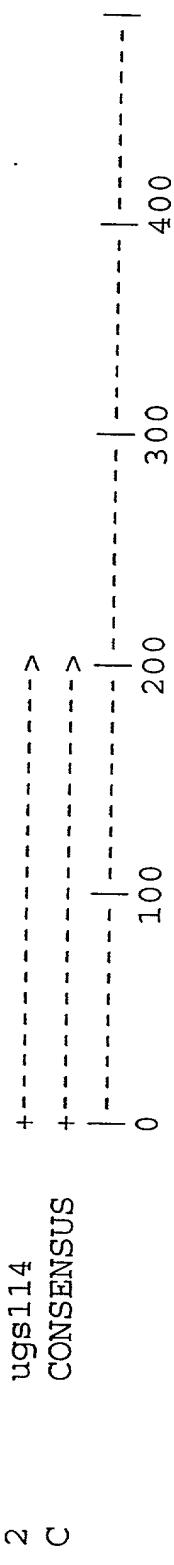


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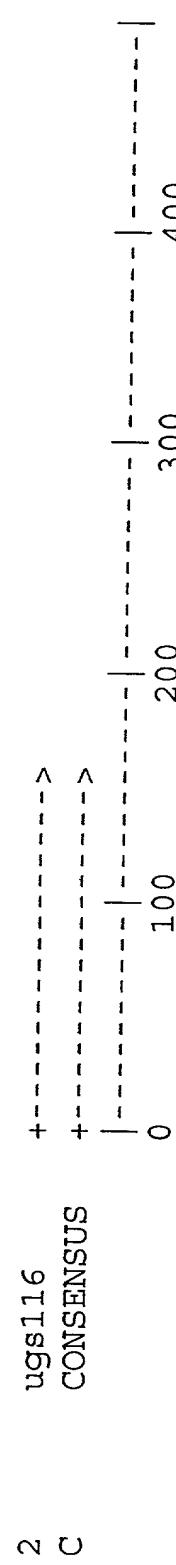
Contig: ugs114



Contig: ugs115



Contig: ugs116



Contig: ugs117

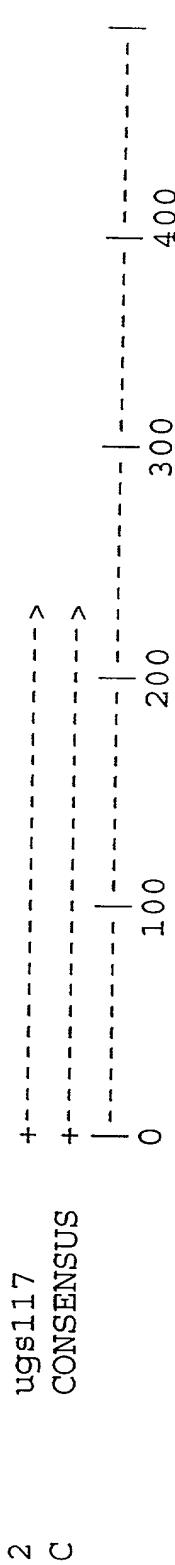
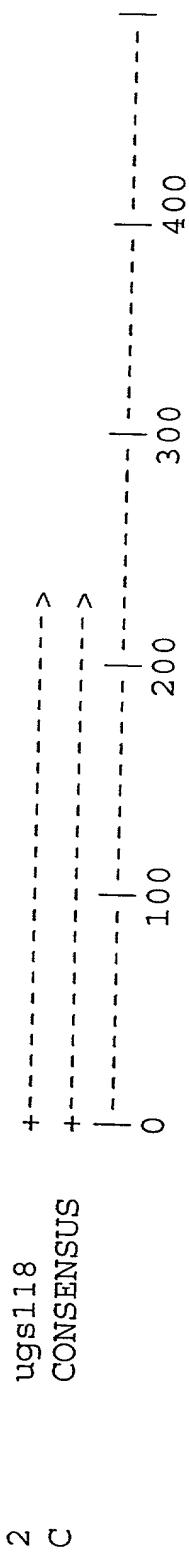


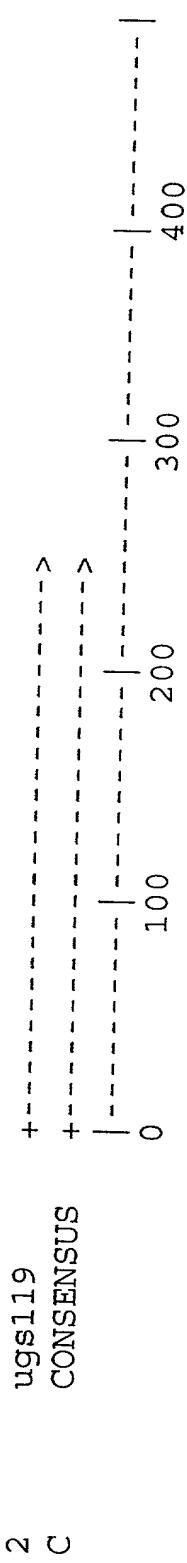
Fig. 8 - 156 of 180

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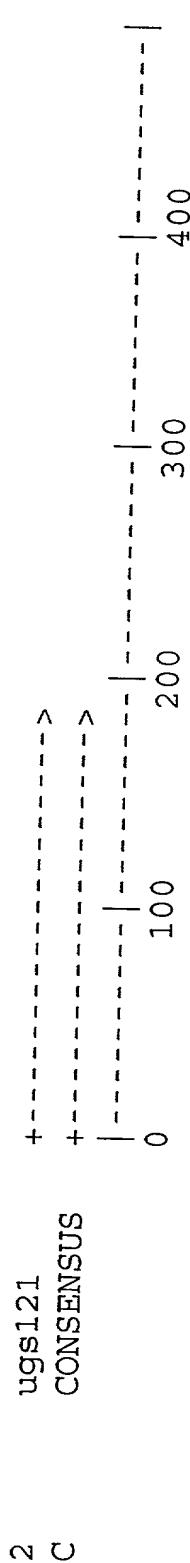
Contig: ugs118



Contig: ugs119



Contig: ugs121



Contig: ugs122

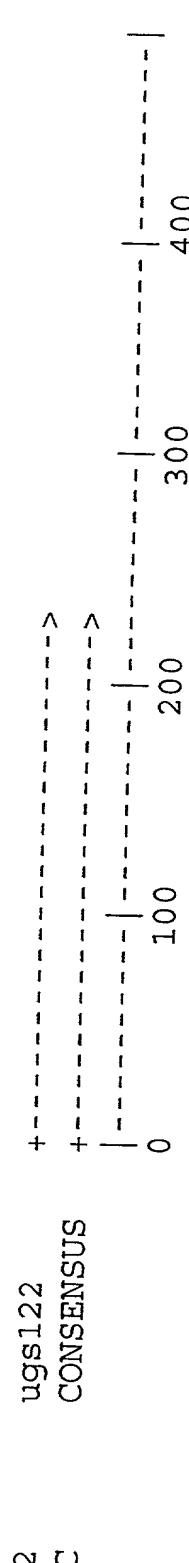
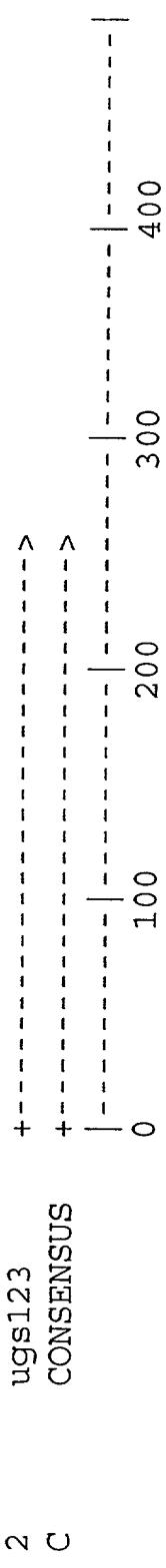


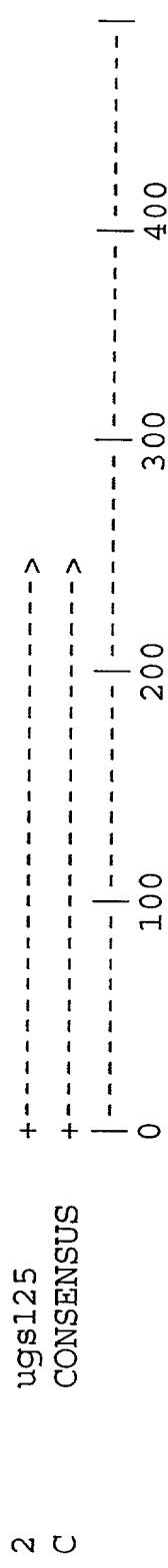
Fig. 8 - 157 of 180

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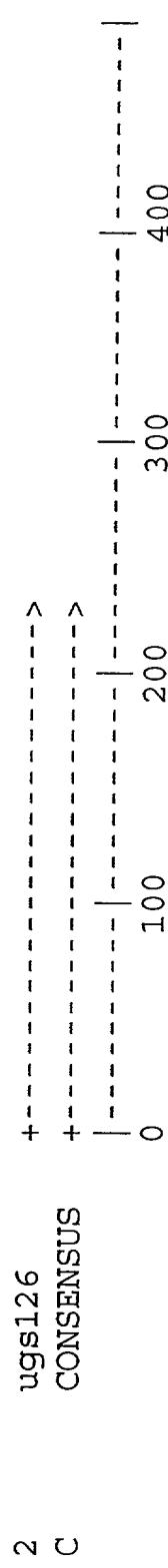
Contig: ugs123



Contig: ugs125



Contig: ugs126



Contig: ugs127

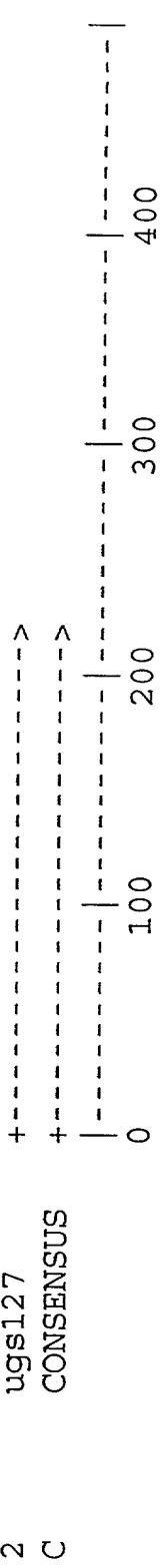
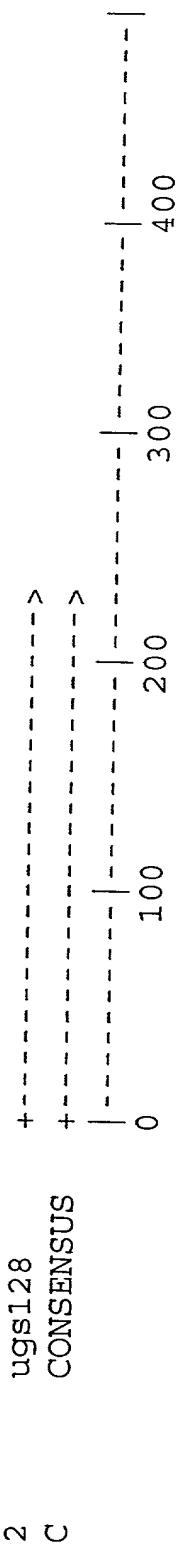


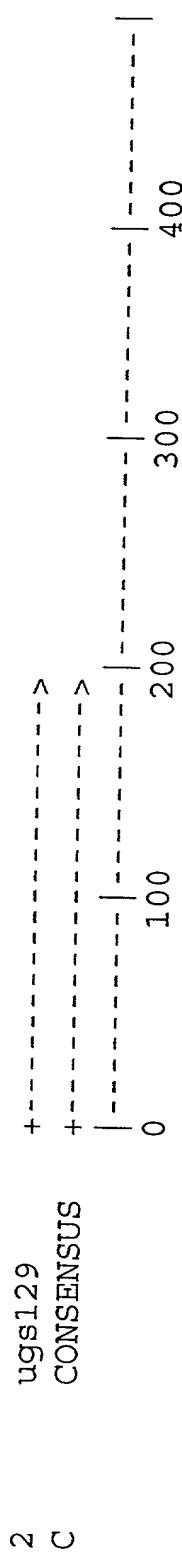
Fig. 8 - 158 of 180

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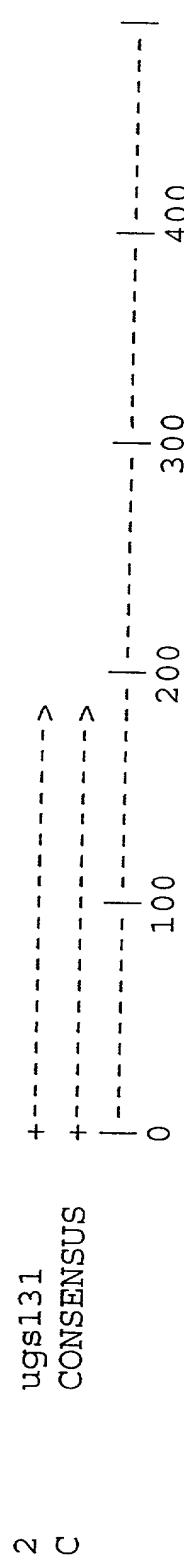
Contig: ugs128



Contig: ugs129



Contig: ugs131



Contig: ugs133

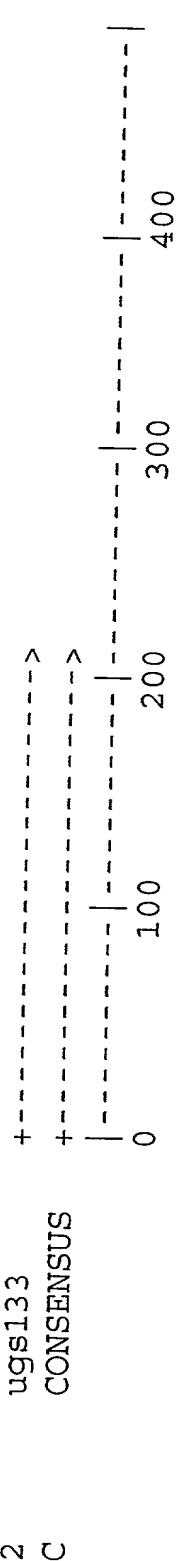


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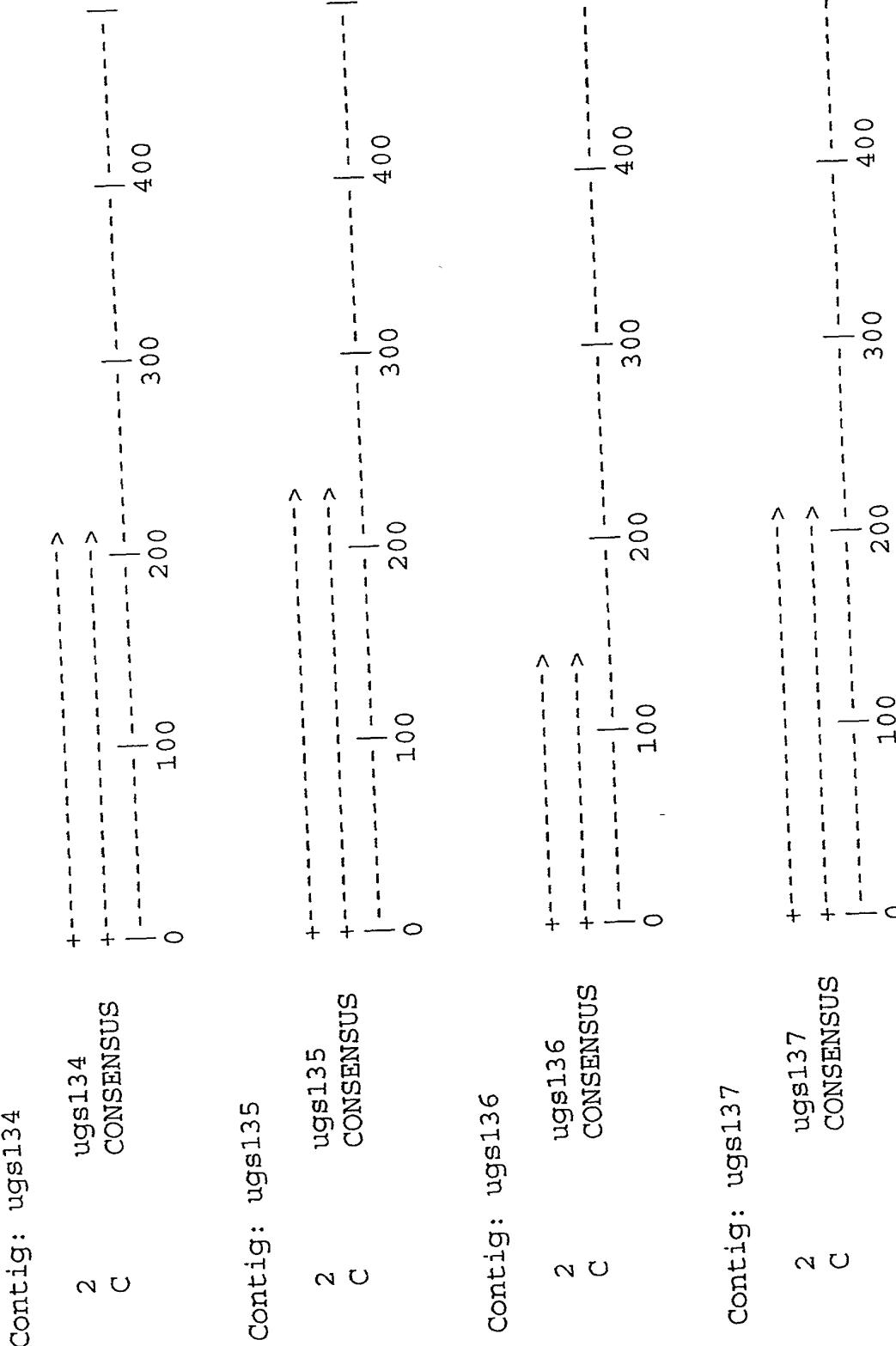
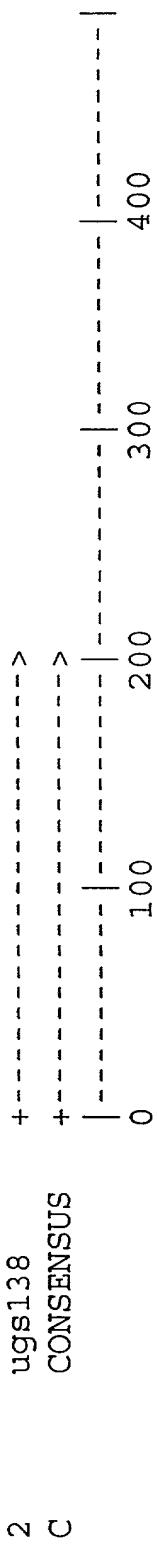


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Contig: ugs138



Contig: ugs139



Contig: ugs140



Contig: ugs142

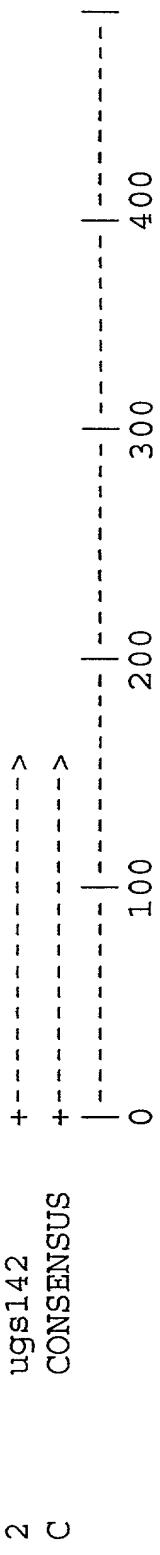
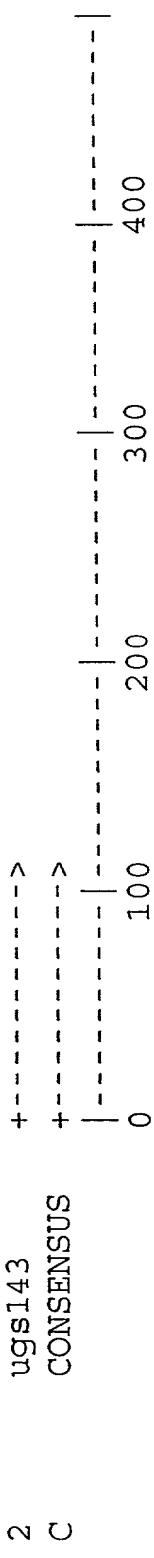


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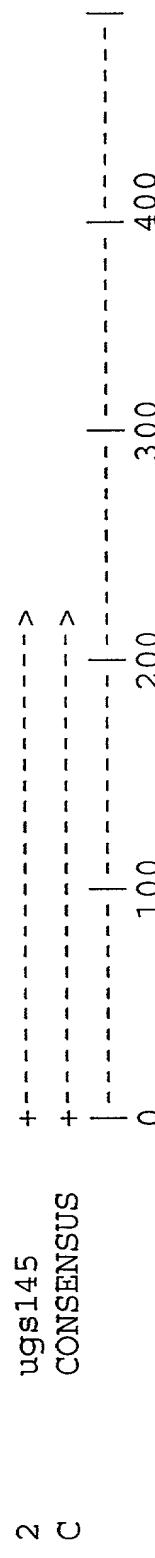
Contig: ugs143



Contig: ugs144



Contig: ugs145



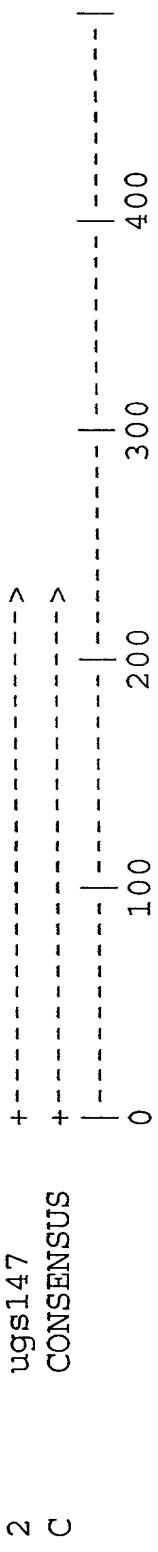
Contig: ugs146



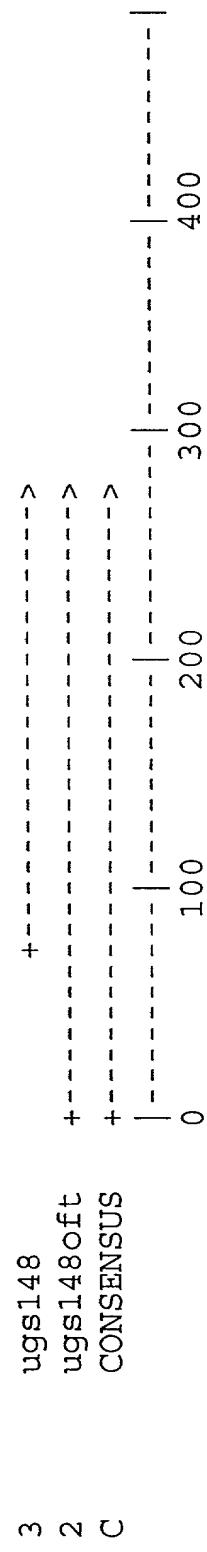
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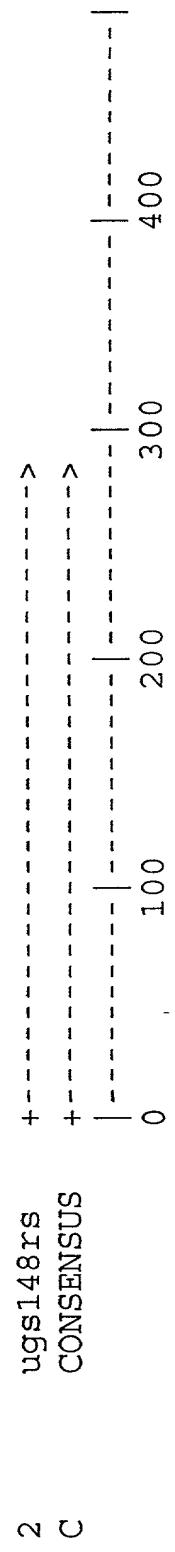
Contig: ugs147



Contig: ugs148oft



Contig: ugs148rs



Contig: ugs149

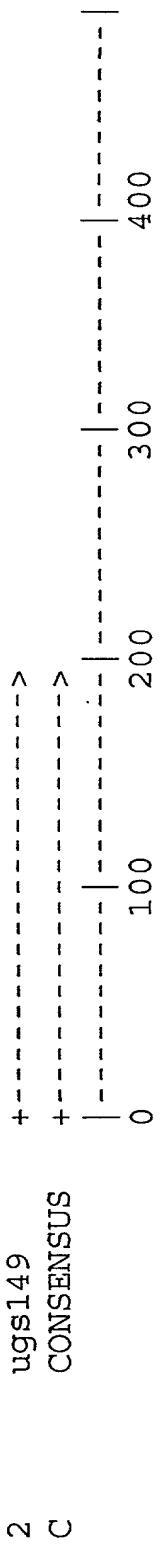


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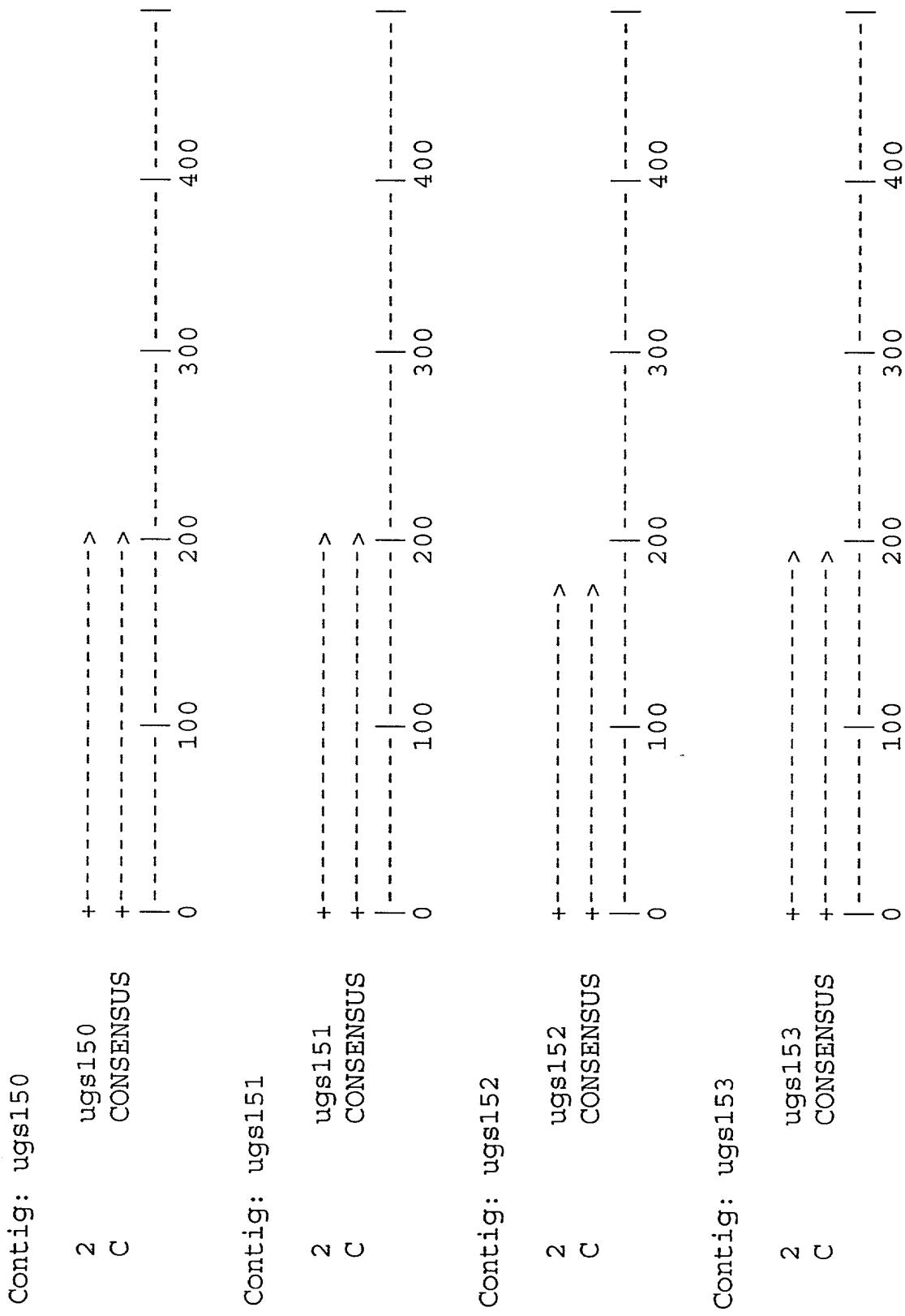
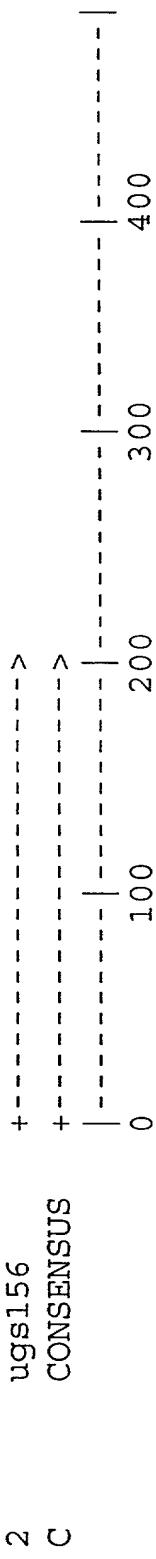


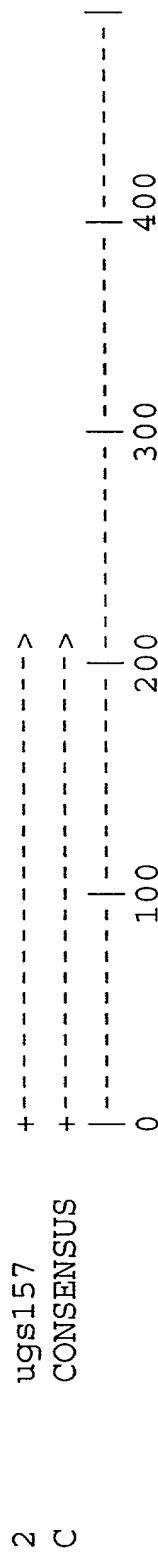
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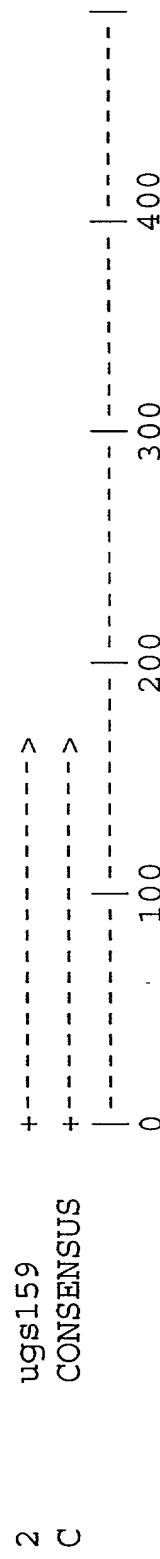
Contig: ugs156



Contig: ugs157



Contig: ugs159



Contig: ugs160

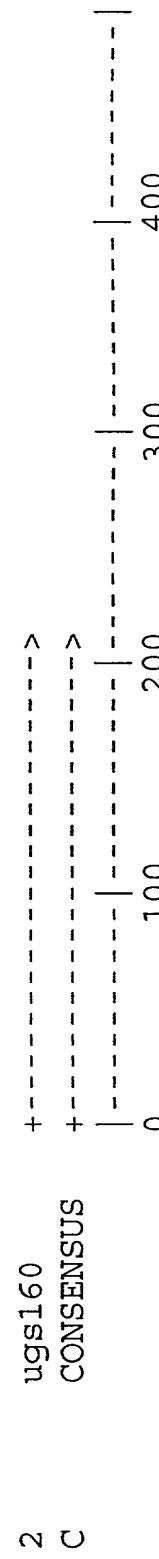
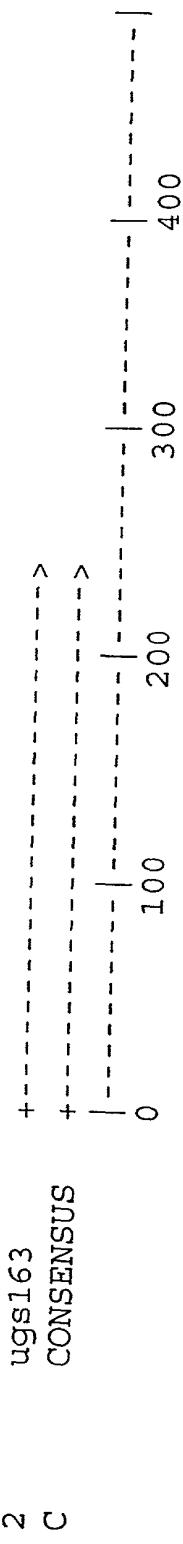


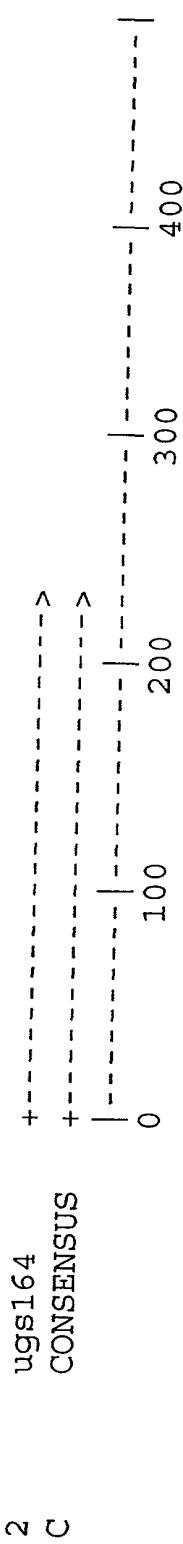
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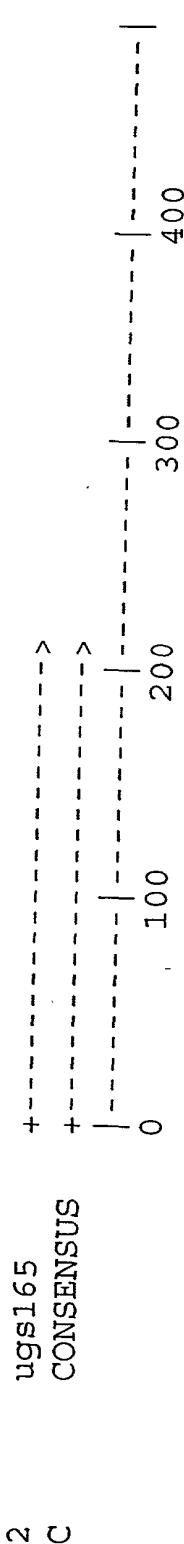
Contig: ugs163



Contig: ugs164



Contig: ugs165



Contig: ugs167

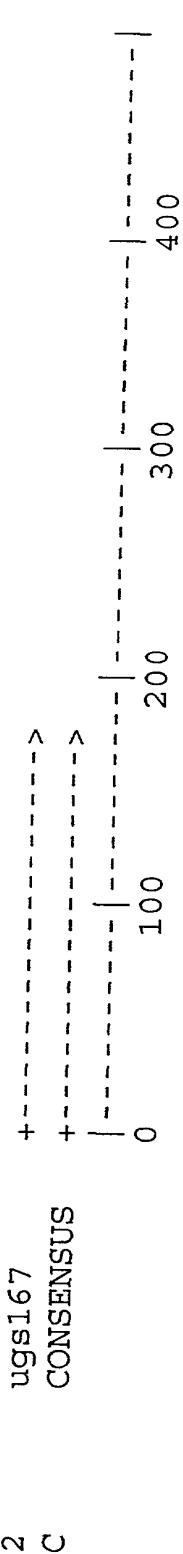
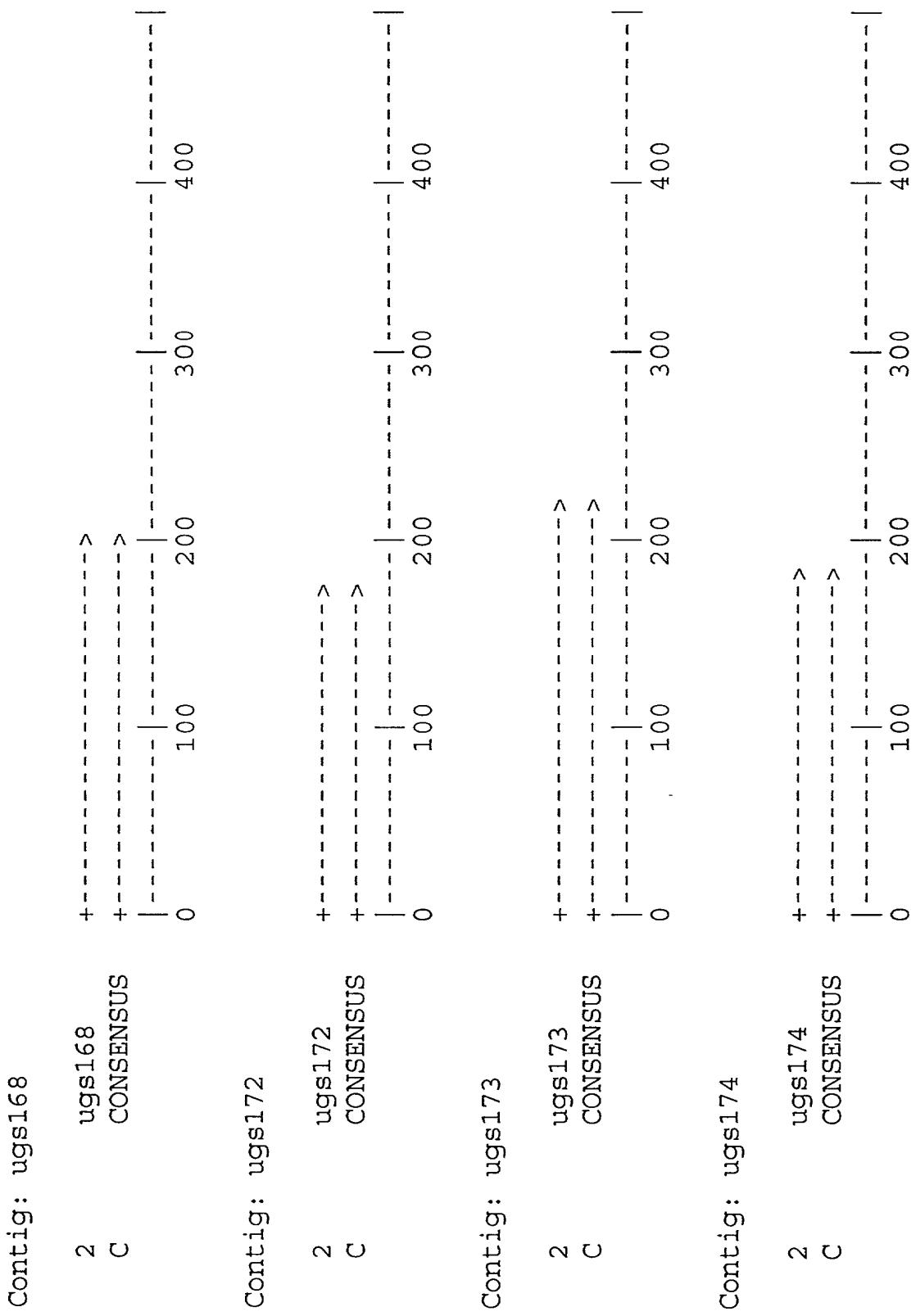
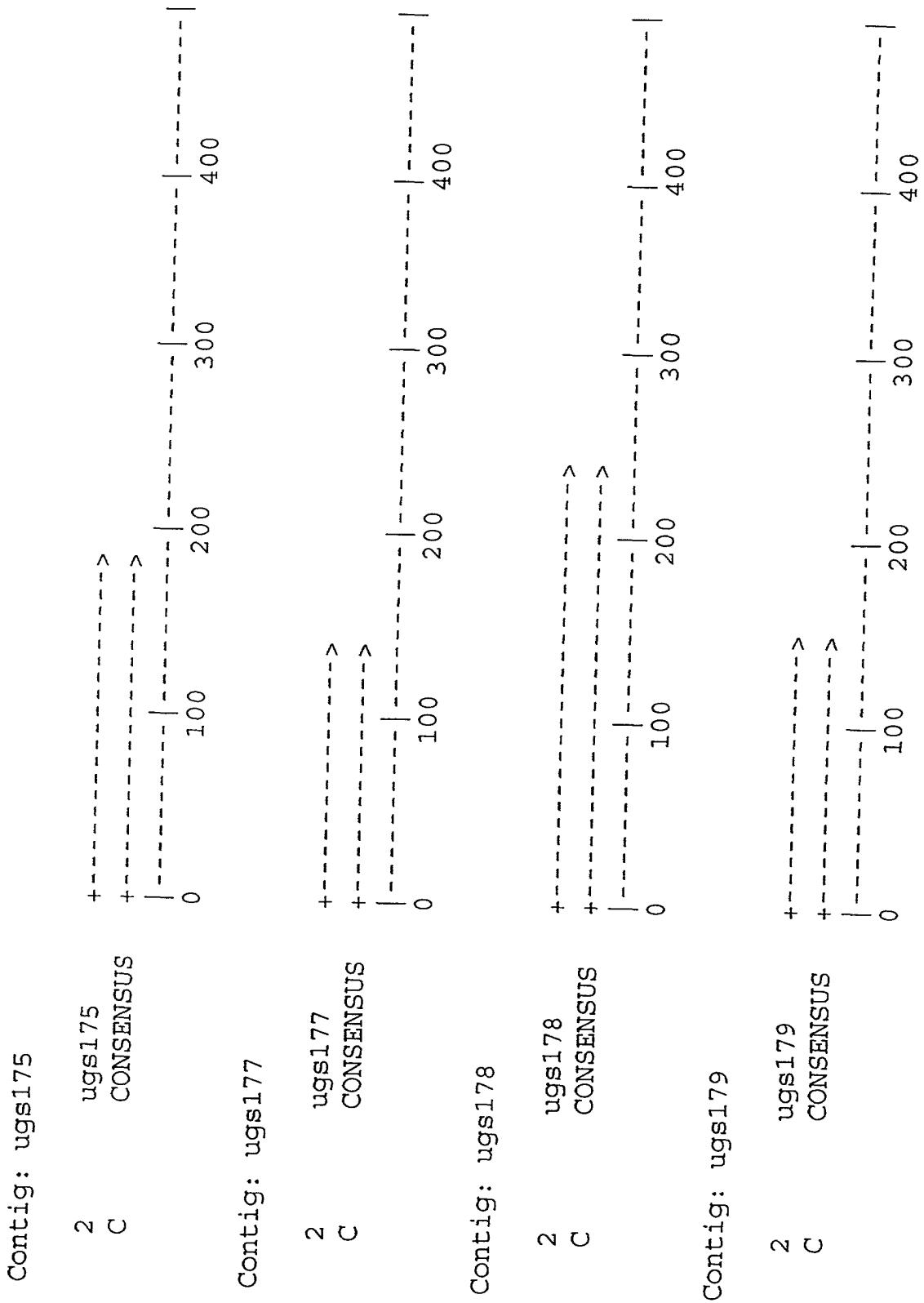


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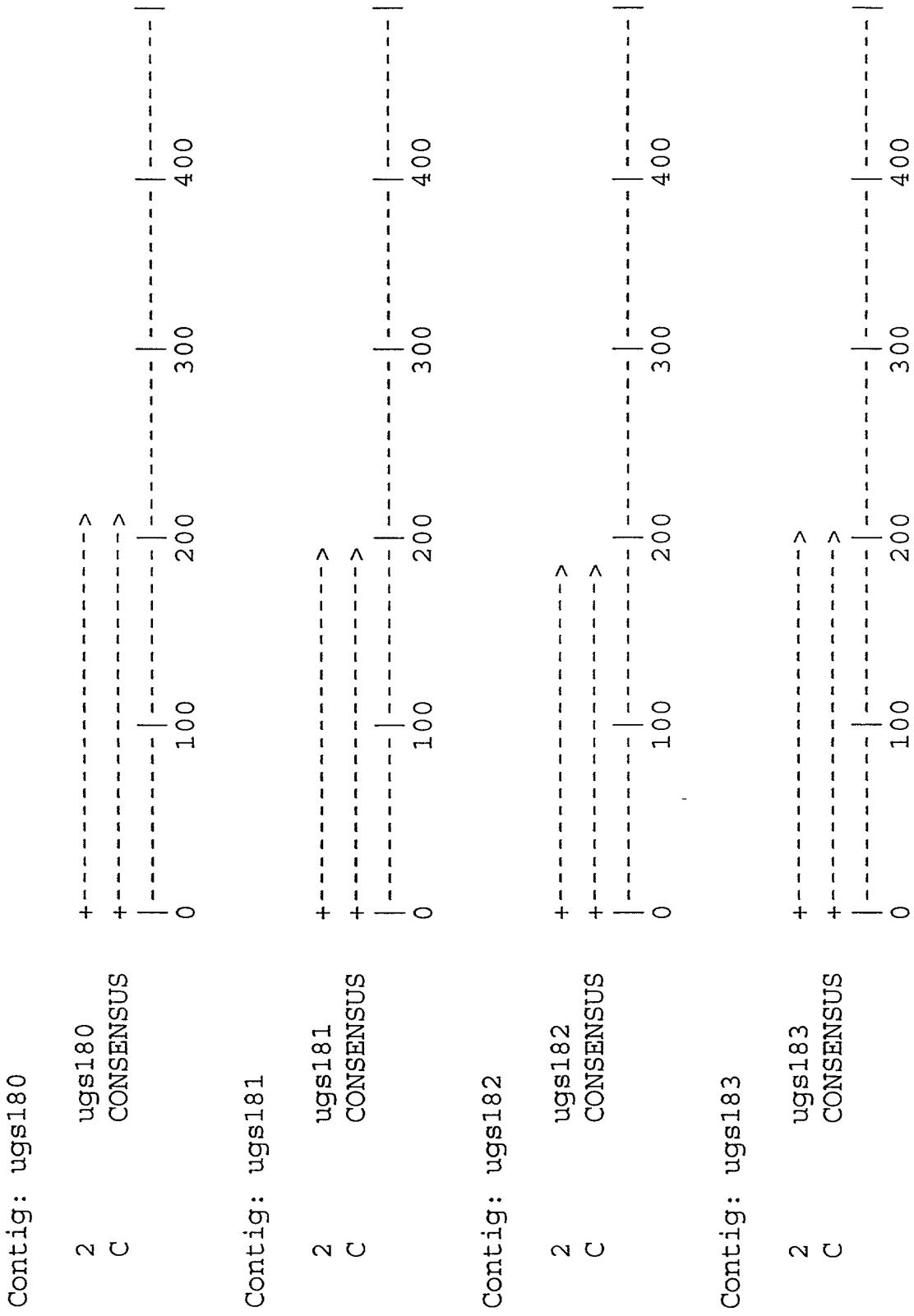


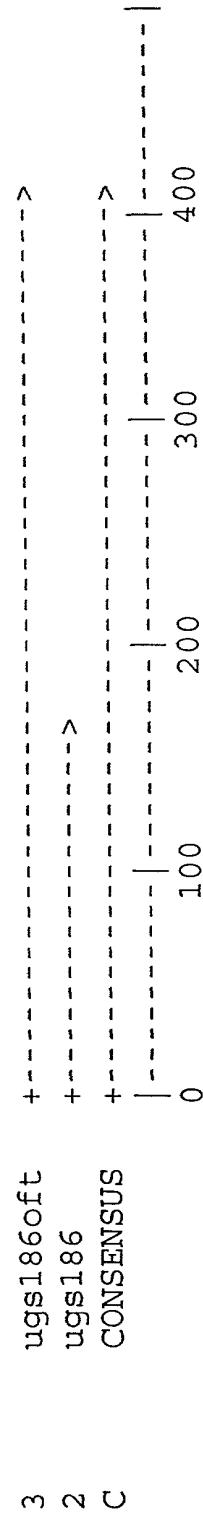
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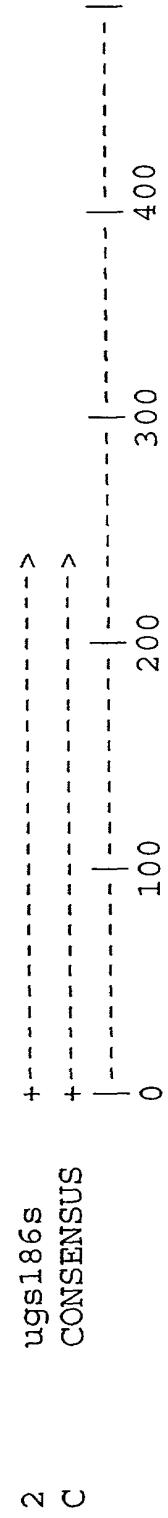
Contig: ugs184



Contig: ugs186



Contig: ugs186s



Contig: ugs187

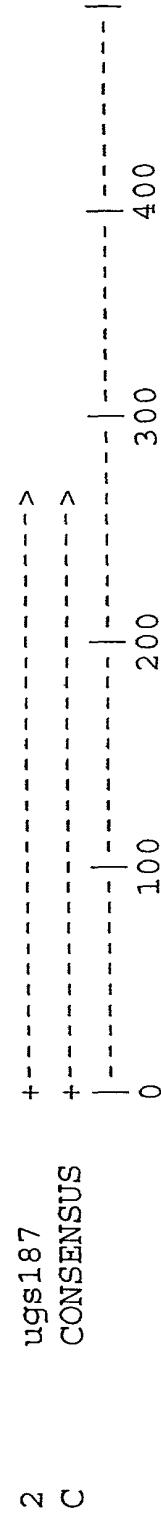
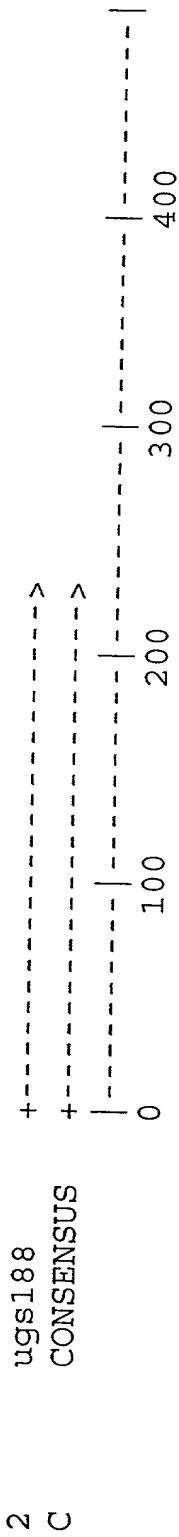


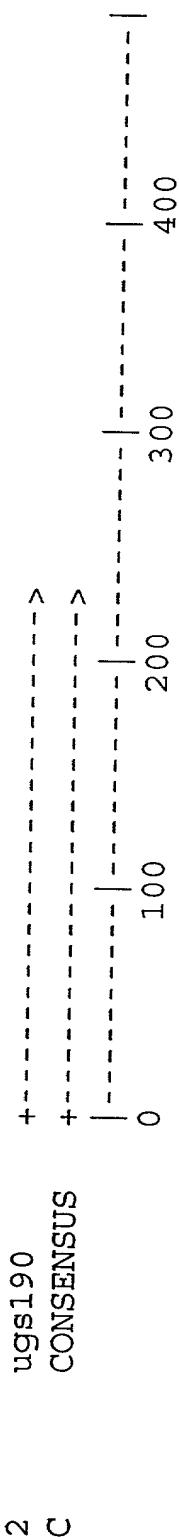
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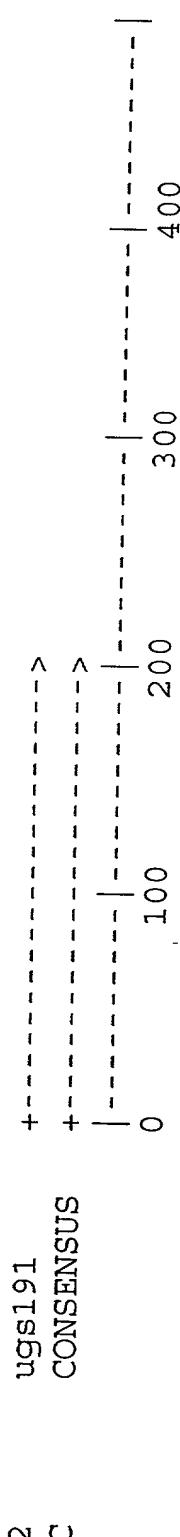
Contig: ugs188



Contig: ugs190



Contig: ugs191



Contig: ugs192

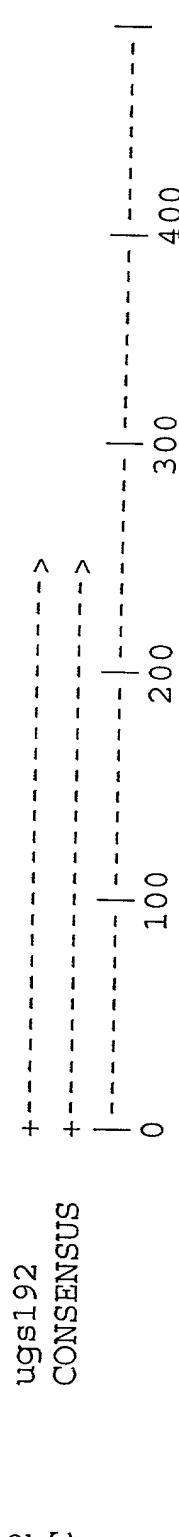
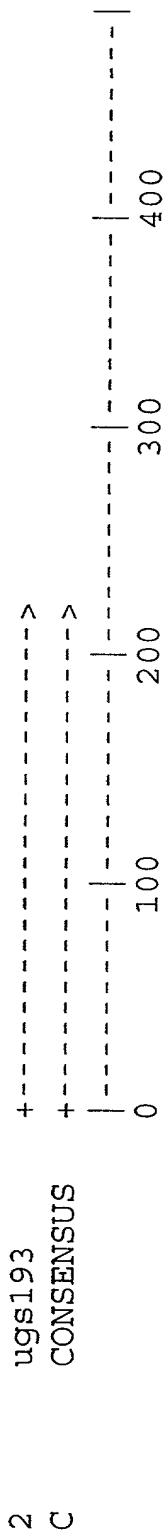


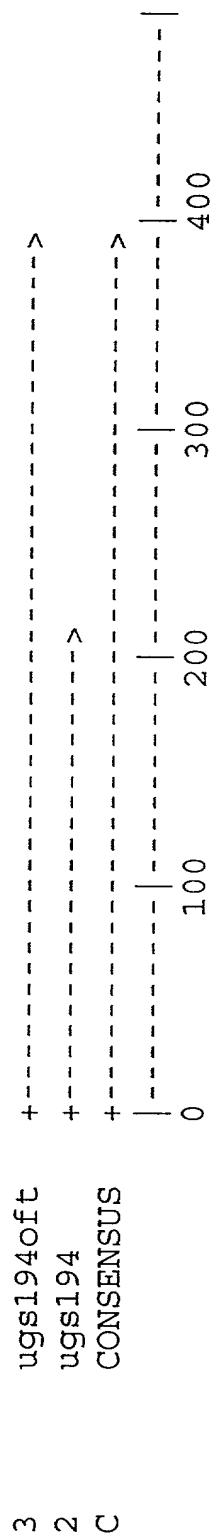
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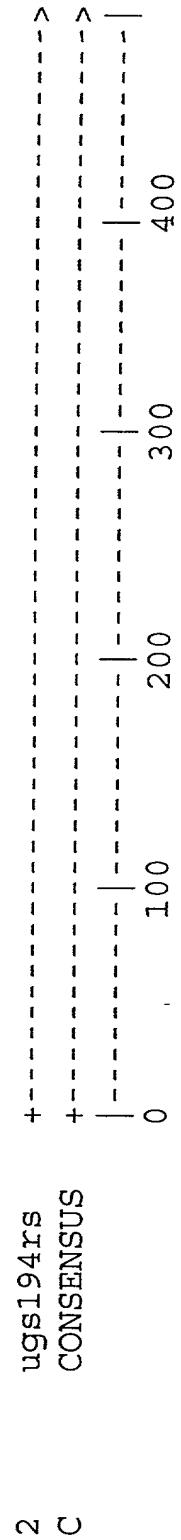
Contig: ugs193



Contig: ugs194



Contig: ugs194rs



Contig: ugs195

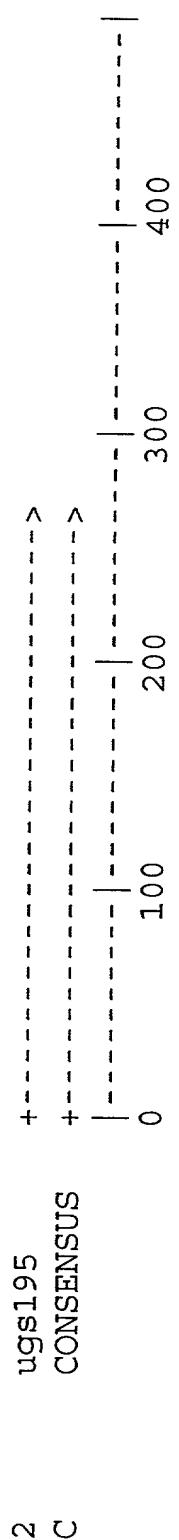


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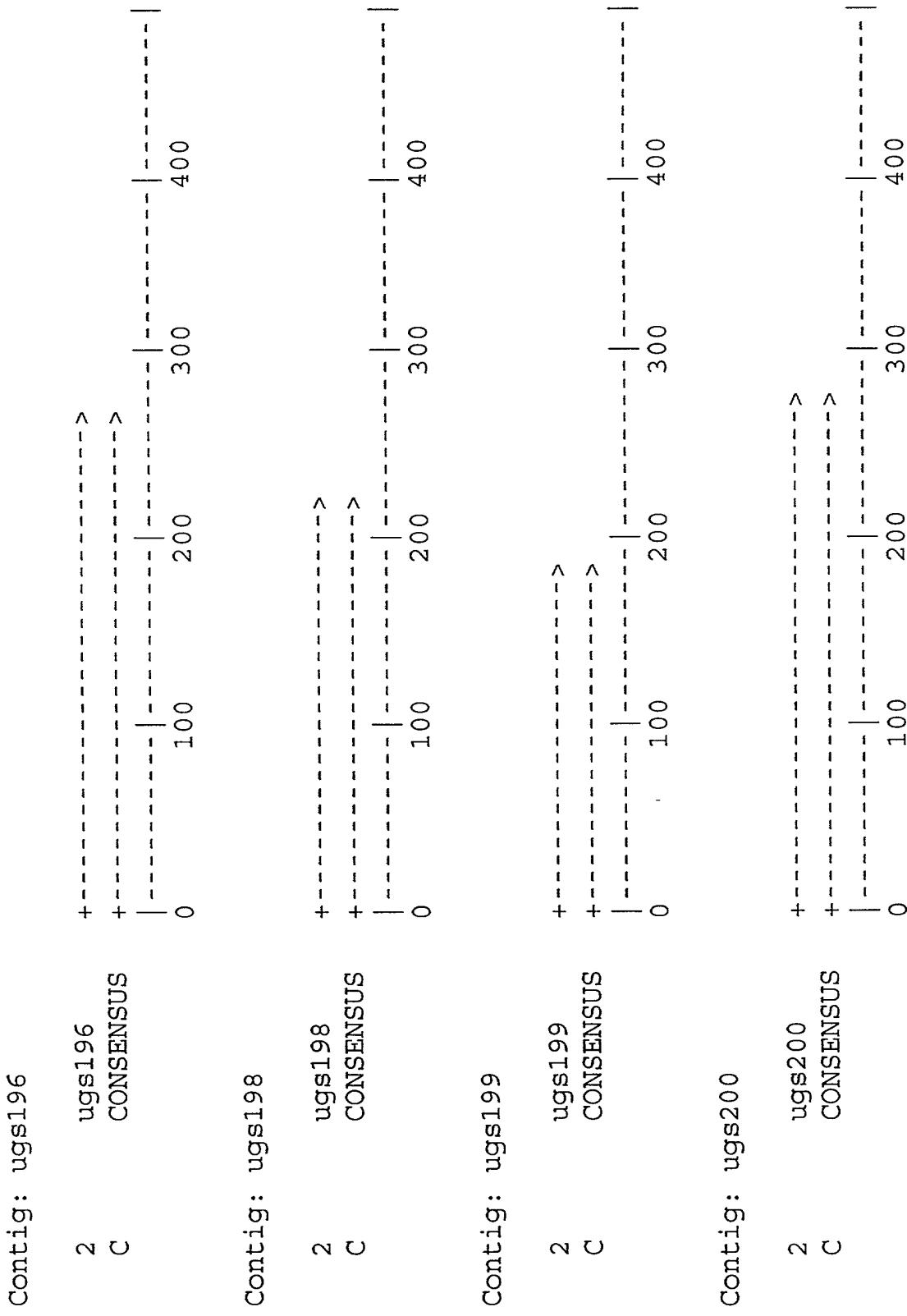


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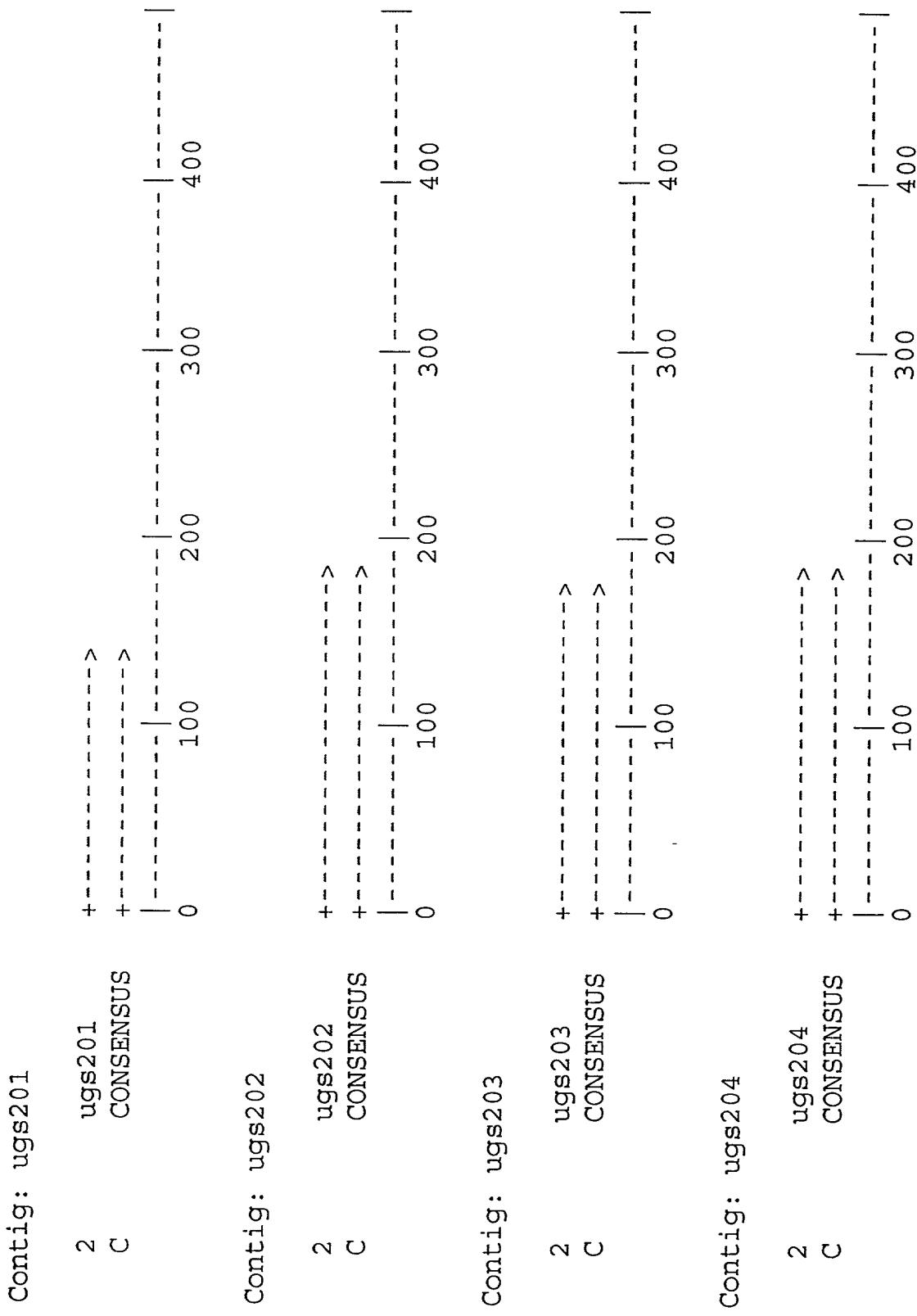
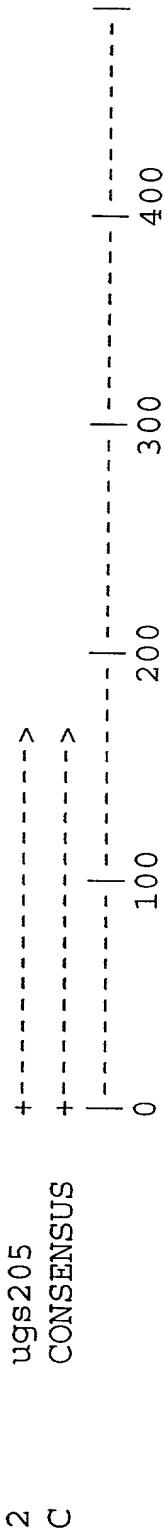


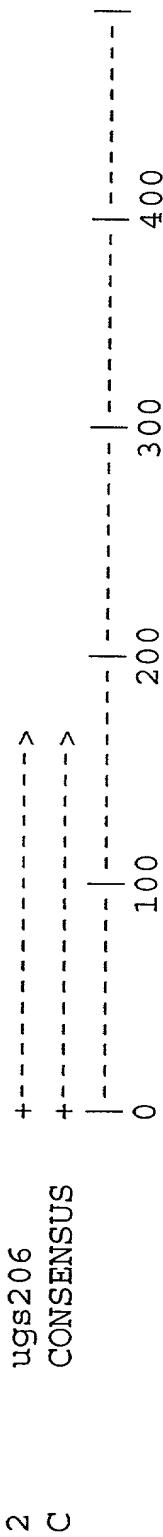
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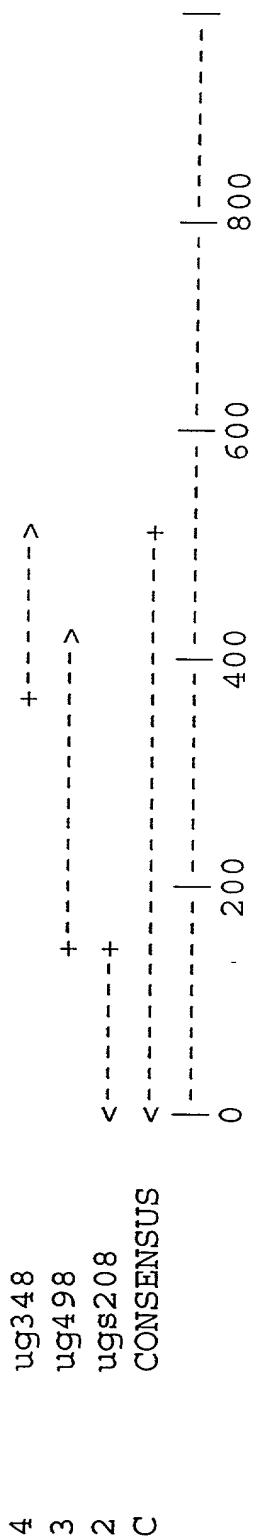
Contig: ugs205



Contig: ugs206



Contig: ugs208



Contig: ugs210

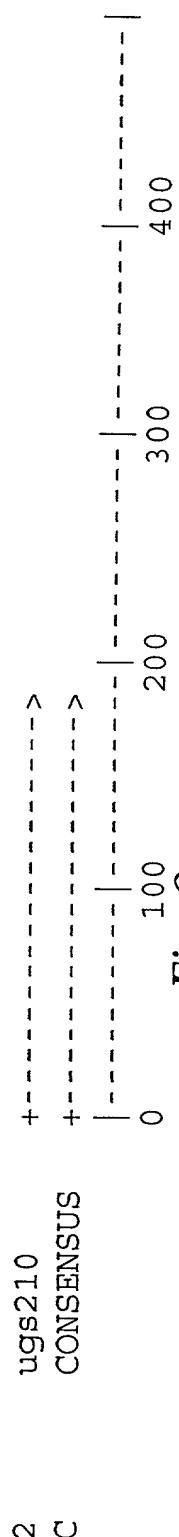
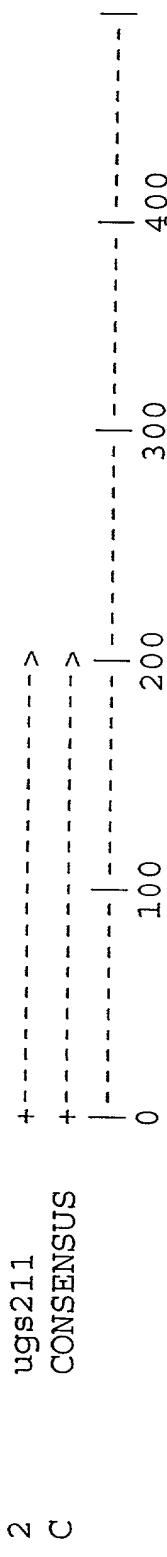


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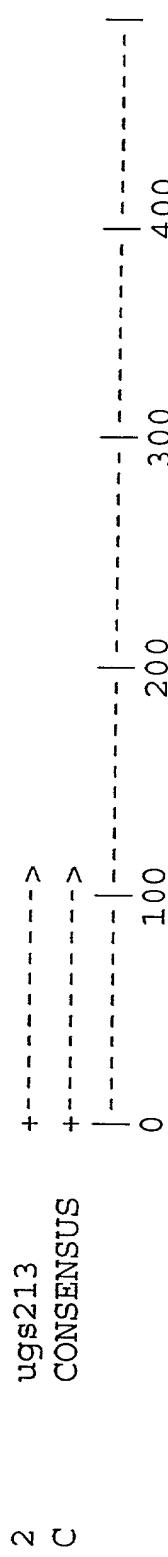
Contig: ugs211



Contig: ugs212



Contig: ugs213



Contig: ugs214

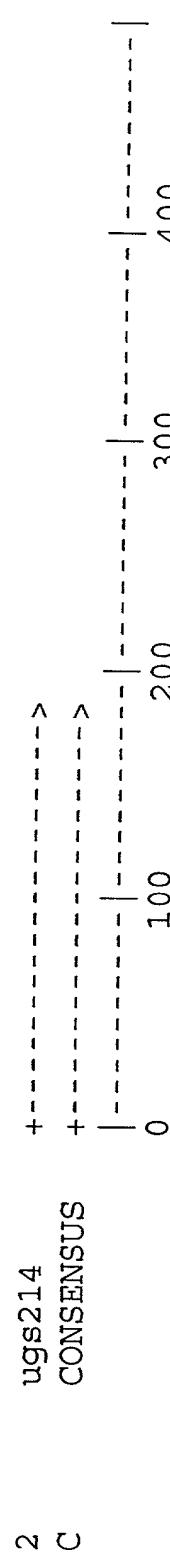
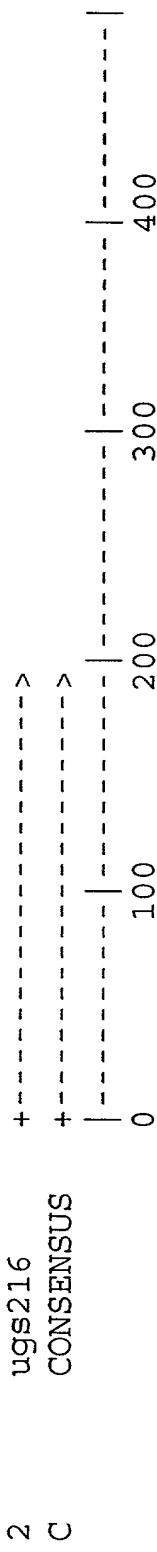


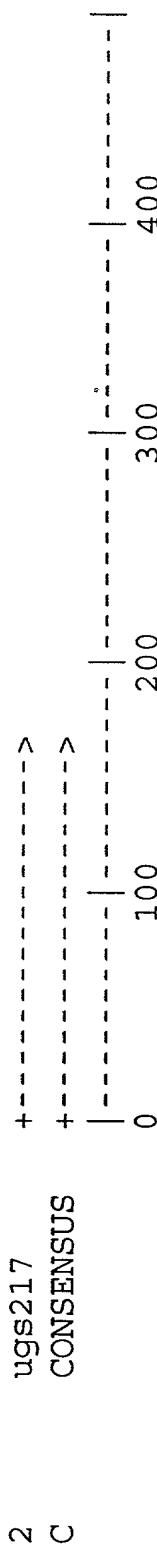
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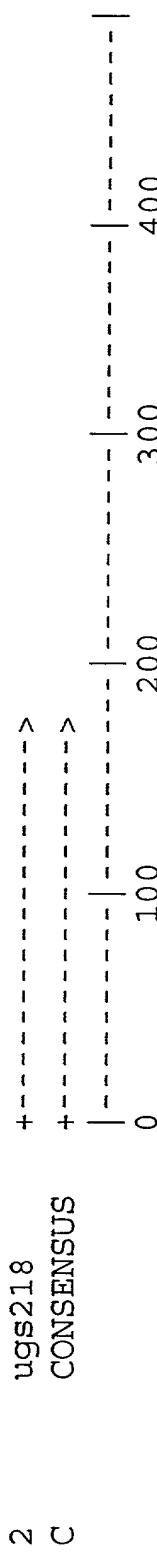
Contig: ugs216



Contig: ugs217

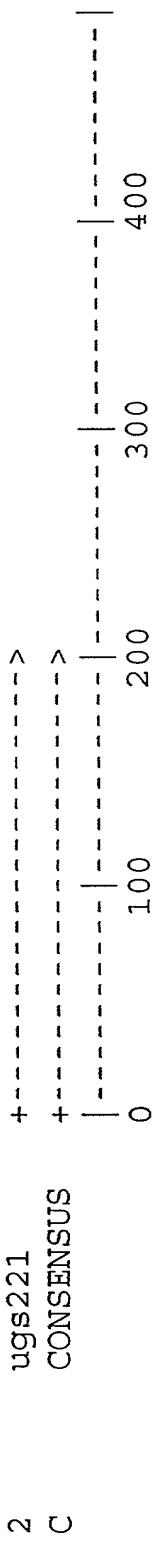


Contig: ugs218

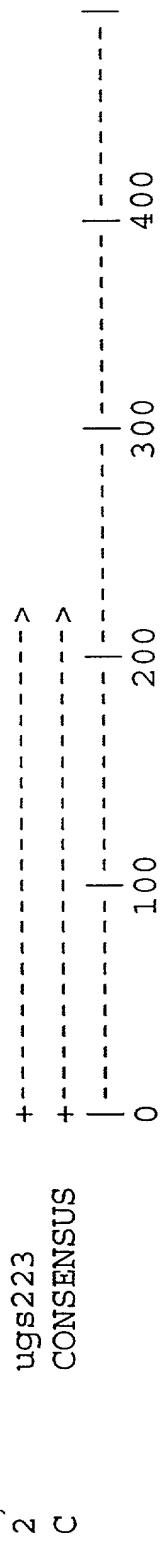


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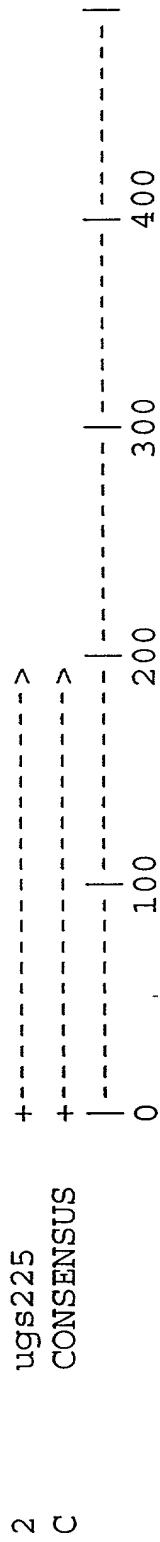
Contig: ugs221



Contig: ugs223



Contig: ugs225



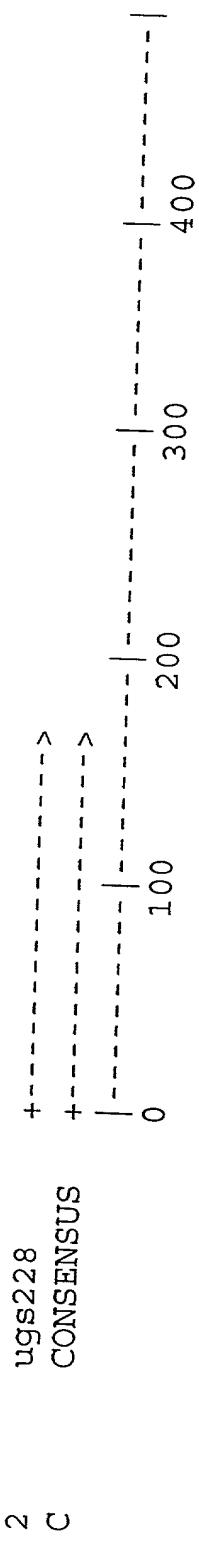
Contig: ugs227



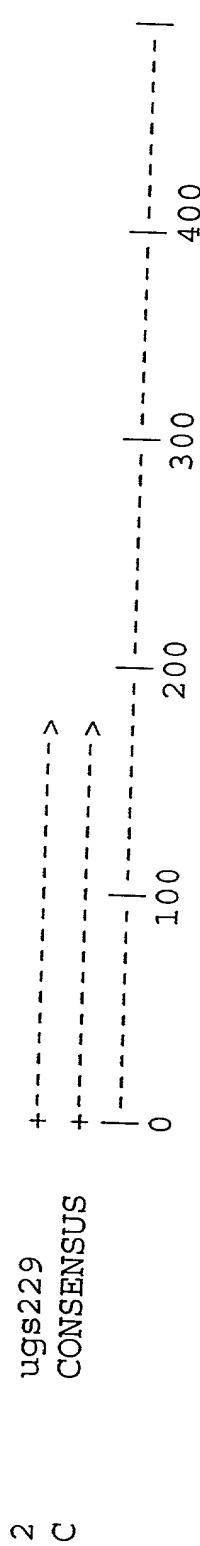
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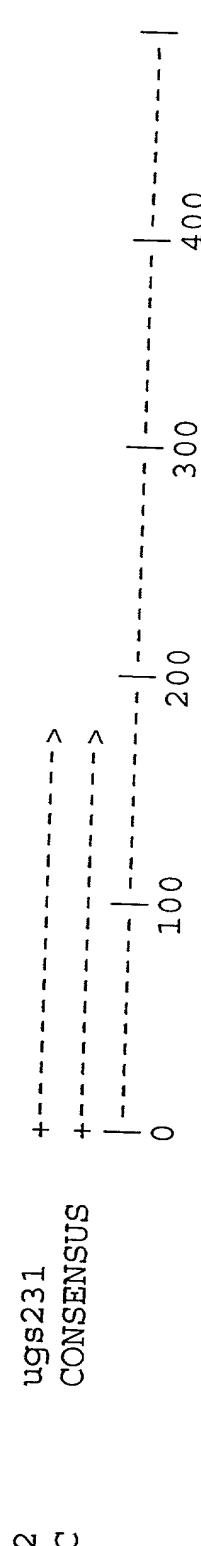
Contig: ugs228



Contig: ugs229



Contig: ugs231



Contig: ugs232

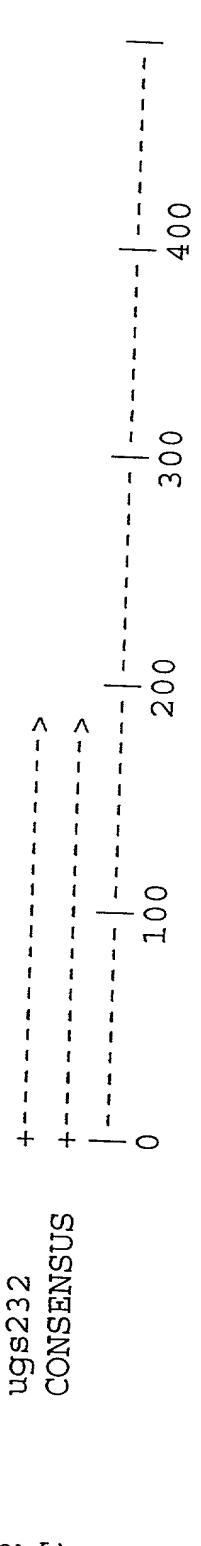
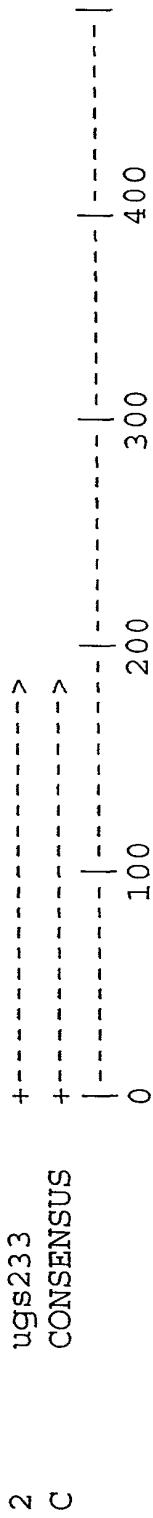


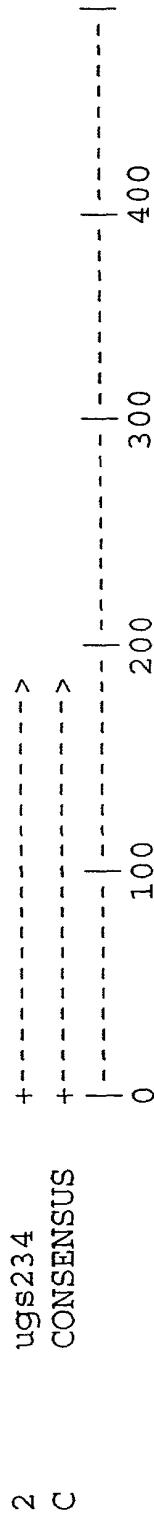
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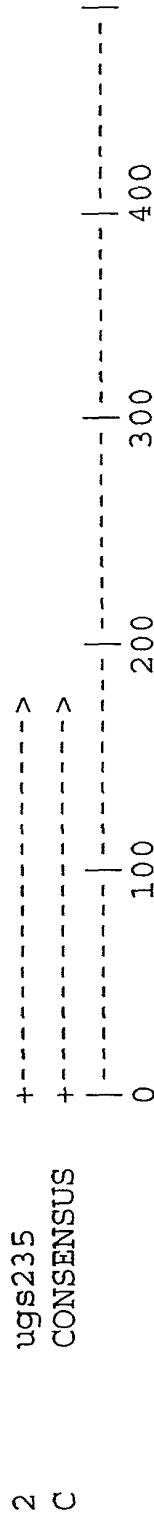
Contig: ugs233



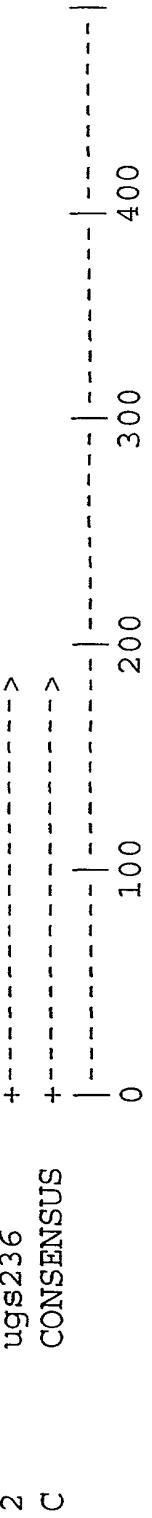
Contig: ugs234



Contig: ugs235



Contig: ugs236



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ug092ft

1 GGATCTATGC ATTATGTGTT AGGAGATTT TGAGYCCTCT ATGTCANCTG  
51 ATCCTAGGGAA TCCATTATG TGGTGGGGCT CCATGCCGSC CATGCCTCCC  
101 ATTGGGCCGT CTGAGCCAGG ACCCATTGGA AAGTTAGACC GGCTGCCTCC  
151 AGGCAGGCACA GGATTAATCA TTGTGTAGAT GTTGTCACTG GAATTYBTTG  
201 AATCTGCAGG ACTAGGCATG ATGGGGGTTG CTGGAGGGCC ACCACCA  
251 GGGGGGTCCC ACATAGGTTG CGGGTGATGA TGAGGAGTAC GGGATTGAGT  
301 TAGCACTGTT GGGATTGGC CAGGGTCTGC CAGCTCCTGG GS CATGTTA  
351 ATCCCAGGVA TGGCGGGGCC GAGGGAGTTK GGTGGTGGTC TMATGCCGCT  
401 GCCGTAATTCTGTGGNCAG GCCCATGGGC CCATGCCTCG GGGAGGGTTM  
451 ATTCTCTGMA TTGANNCCTC CAATGTTGGG GTRACCTTGT TGCGTGTG

ug092ors

1 NGAANTCCGA GCGGGCGAGC GCCGGGNNGG GGGCCGGGWG CWRGGCARCT  
51 CGGGWGRNCC GGACGGTAGC GGCGGCGGCG GCAGCGGGCT CGGCGCCCTC  
101 TTCTCTGCAA GCCATGTTG CCAAAGGCAA AGGCTCGCG GTGCCCTCG  
151 ACGGGCARGC TCGGGAAAAG TTAGCTTAT ACGTCTACGA ATANTTACT  
201 GCACGTWGGA GCANMAGAAA TCTGCACAGA CCTTCTTATC AGAGATTGGA  
251 TGGGAAAAMH MNCATCACAC TGGGTGAACC NCCTGGGTTG CTGCACTCGT  
301 GGTGGTGTGT ATTTGGGAC CTTACTGTG CAGCTCCTGA AAGGGGAGAC  
351 ACTTGTGAAC ATTCAAGTGA AGCAAAAGCC TTTCATGATN NTHTGTGCAG  
401 CAGCTGNCCC CAAGCCCTGT GCTTGGCAAC ATTNCCTCCA ATGATGGGAT  
451 GCCCGGNVGS CCCATCCCGC CAGGKTTCTT TCAGCCTTT ATGTCACCGC  
501 GATATGCAGG CGGGCCAGGC CCCGNATCAG AATGGGAAAC CAGCCTCCAG  
551 GGGGAGTTCC TGGGACACAG CCACTTGCTG CCCAATTCCA TGGG

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ug093f

1    GCCATSTGGT GGATTGCCG GGTWMGTCGC CTGGGCTGGC AATTGTGTTC  
51    TCTTCGTGTC TGTCWCACCH CYSTCCCGGC TCTTCTGGCT TTCCACGTCT  
101    CT

ug093ft

1    GGAATTGCC GGGTATAAGTA GCCTGGCTG GCATTTGTGT TCTCTTAGTG  
51    TCTGTATAAC AYCYSTCCAG GCTCTCTGG CTTTCATAGT CTCTSGTGAM  
101    AHGTCTGGTG TAATTCTBAT AGGCCTTCCT TTATHYVYKM CTYGACCTTT  
151    CTCCTTACYG CTCTT

ug106ft

1    GGNATTGGC ANNGRAGGGGA GCAGAGAGGA GGCACAGATG GGCGTGGGA  
51    GAAGAGAGAT AGGAGGGCAG AGGCGATCGC SGKTGCAAGC AGGAAATGCC  
101    TTCGCCTCCT CCTGCAGGTT TGCAAAGAGC TCTGAAAAGG TCTGGCGGTC  
151    CCTGAAGTGG GTTGGGGGTG GGTAGGGCTG CATAGTGACC CGCACAAAGA  
201    GAGGGAGAAT SGMGCACCTC GAATATCCTT CAACTCAAAG AAAAGGATAA  
251    MGGMGAGCAA ATGCATGTAT CTCTTCAGAT AGATTBTGAB CTSGGCCAAG  
301    TAACTTATAT AC

ug106ors

1    GGAATTCCCT CCTTGTNCT GNCAGNTTT TNCCCCTTGA NCATWNCATT  
51    CATTCAATTNC ATTCAATTCAW TNCAGTGNAA GAGCYCGTG KYCAGKNATT  
101    CCAGACTCCG ATGAAAHTYG AAAATCGANY CNYYCNKNT CYAATTANN  
151    KCYAAYCAGA GAGAACGSY TCCAGTTCG TNCAGCATAG ACCATACATA  
201    TATVCVBKK KGKGAGTGT CTACAAGTAA AACAGTTGCT GGAGTAGGCC  
251    GGCCAAGGAT TCTACTCGTT TCTAAATAAT CAGATGACTT TTTA

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ug120fmin

1 GGAATTGAC AAATTAAGAM AMGCAAACAA ATCATAGCTG CKCCTSWCGT  
51 KTTTGTCGCG AAATTGCACA AGAKCCTATA CACCTGA

ug120os

1 GGAANTCCAT AAGTACTATN AWDDNVBBVH WWWTTTAAG TTGAGGCTCT  
51 AATTAGACAT CAGCCTGATT YCTTSAGTT CCACACACAC ACACACACAC  
101 ACACACACAC ACACACACAC ACACACTGTC TTCAGCAGTG AGACCTTACA  
151 ATCACTTCTT AGAAAACAMT TGATAAGTMG CCTTGCCAAT AGCCAGTGTT  
201 ATTTGGGAT TCCATGGGAT TTCATGGAGT CAACATTGGT CAGCAACTCA  
251 ATTAGATGTA AGCCATTCCCT GGGACTGAVA GGTTCCCTG GAGAGGAAAG  
301 ANTGTCTAGT TGGAGTACTG TTTCCCTGT TGTTTAGTGA CTCCATTAG  
351 ATTTAATCAT ATATGTATAT ATTTAAGAA GTTTCAACTG TAGTAGGTTT  
401 CCATATGGAC CCCAAAANNT CTTAGTGCTA ACTGTCCCTC CCTG

ug254f

1 GGAATTCCCG GNCTCGAGCG GCCGCTTTTC CCCCCCCCCC CCDCDCDCTW  
51 CWCWCWCTCT CTCTCTCTCT CTCTCTCTCT CTCGCGTCGC GGGCGTAGGT  
101 TCTTTATTT

ug254ors

1 GGAATTNCAA GAATGTACGS CAGAGGAACG NCACCTGAGT GGTGGGGCAG  
51 GCGGGGGAGG GGAGGTGCC AGGGTGCCTG ACCCCAGGCC AGCNTCTACC  
101 TCCACTCCAG TATCCCATCC TGTCCGATT TGAACCTACC CAACCCAACC  
151 TATCCCAACC CAAGTGAAGA CAGAGCCTTA CCTTACAGAA AACCCACCTG  
201 GRAGAAGCAA RCCACTTNCA GCCCCTGTTT CTAATTAMM CTAAATGAGG  
251 TTTCTATGCA GACAATCCAT TCCTTAGGGG TTTATKTYB NNNNNBBSCT  
301 TCCCTTCTGA AGTGTGTCA CTACAGCCCT GTKAGTKGG GGAATKGKGC  
351 CTTGTCCTTK GTCAGGAGGG AAGGCCAGTG CATGCTCTGA CTTACTGTTG  
401 GAGGGGGCTG GGCCSCTGG AACCCCCCA AATAAAGACC WACCCACCA  
451 AAAAAAAAAA A

451/472

ug277ors

1 GGAATTCAAT GCGCATCCCG CACCCCTGGC GCCCGGCGCC GCGGCCGCGT  
51 ACAGCAGCGC CCCGGGGAG GCGCCCCCGT CCGCCGCCGC CGCCGCCGCC  
101 GCCGCCGCTG CTGCCGCCGC CGCCGCGGCT G.CCGCGTCG TCGTCGGAG  
151 GGCCCAGGCC GGCGGGGCC GCNGGTGCCG AGGCCGCCAA GC.AGTGCAG  
201 TCCCTGCTCG GCGGCGGCAC AGAGCTCGTC GGGGGCCCGC GGCGCTGCC  
251 TACGGCTACT TCGGCAGCKG CTACTACCCG TRCGCCCGCN ATGGGCCCC  
301 ACCCCAACGS CATCAAGTCG TGCGCGCAGN CTGCTCGGC CGCCGCCNSY  
351 CTTGCCGAC AAGTACATGG ACAMCNGCCG GCCCCGYGGC SAGGAGTTA  
401 GCTTCCGCG

ug277f

1 CTCACTATMC CCMTYCCCCT CTMGATCATC TCACCCCCCA ATCTCTAAAT  
51 TCCCCTYAGS ASACCAAACC TCARCCCTCTC TCTATCCAAT TCTTCAGTTA  
101 GTAT

ug277t

1 TCCTTAHGCK TTTCTTCAAG CTGCCCTTG CTCCACCTTT TAATCCATTA  
51 ACTAGTGGTC TTGAGTTAT TGATGACTTT TTTCTCTTG ACCCTCCTGT  
101 TCTGGAACCA GATTGTGACC TGCCTCTCAG AGAGGTTGT CGTGGCTGAT  
151 ATCCTCCTCC GTTGTCTT GGTAATGAATTKTTCTAG CGTATTCCCG  
201 TTCGAGTTCTTCAACTGCA CCTTAGTGTA AGGCACGCGC TTCTTCTCC  
251 CCCTCCTATA GGAGCTGGCG TCTGAAGGAT GGGAGACGAC GTCGGGCAGA  
301 GTGGACTTCC AGAGGTGGGG AGGCTCGTC TGCTTTGG GGCAGTACAT  
351 TTGGCCGTTTC CAGCCGTTGG GCAGAGCCCA GGGGCTGATA GCTTCCATG  
401 GGAAGCCCCA GAGGCTCGTK GCGCGACTCG CCAGGACCCC CGAGCCCCGG  
451 AACTACTGGC ATATCCAGGT AGCCGGGCAC GGGCTGGTGA TGGTKGGTAA  
501 GGCCCGGYTG CTTA

452/472

ug291ors

1 GGAATTCTGG AGAAGTGGGA GGTGTACTGT ACGGGGAGGG ACCAGGGGAA  
51 GAAGAGGGGG GTGGAAAGTA AGAWGGGAGG AMMGGCAGGM GGGGGAGAGA  
101 GAGATGTTAC TGCTTCTTT TCAGCACATA TAMNNCNNAB GRCTANRGAA  
151 ACGCATATT AAAATCCAGT TTCTATATTAC ACACCTAATT CACTTCCAAA  
201 CCTACTTGTA AAAATCCATC TTCAGCAAAT GAATTGTTG GGAAAATGGC  
251 CAGGCATCCA TACACAGAAA GGTTCTCCAT CACCATAAT TAACTCATGG  
301 TATGCTGAATTAAATTGTTGA AAATTACTAG AAAATATGTT CACAAACCTG  
351 GCAAATTCACTATGTCAC ACACAAATAC TCCTTCTTT CTCCCTCCTC  
401 CTCCCT

ug291ft

1 GGAATTCGTA ATTTAGAAA ANYGCTTGCG TATTCTNTHHH NNCGTYNGLT  
51 NGAACGTGGG GGN.TYTTTN CTCATAGCC CACATTGACC TTGAACCTCAT  
101 AAACTCAAGC AATCCTCCTG .ATACCCAAG TANGCTGAGT CTACATGTCT  
151 GGGCCTCTGT GCTCGGTTGC CTCTGATTT CATCATCTGA AACTAAGACC  
201 TGCCAAAGTN GGGGGGGGGG GNCACTTTTC CTGAGATTTC GAGACTTGCA  
251 TGCSCGGTAC TGGATTGATG TGAGAGCACC CTCTGGGGCC ATCTCTGTT  
301 TAATNCCCGG GCTCGGTCTT CTGCAGCCTT TGGAAAGGTT ATGTYTCAGA  
351 ATAGGTGTTG GTTACACCG ATGTTTTCA ATGCTTCATA GCCATTBMMC  
401 AAGATAMC

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ug307cons

1 GGAATTCCCN GGCTCGAGCG GCCGCTTTT TTTTTTTTT TTTTCAGAAA  
51 GCCAGTTAT TTCTWAGNCT TTNTNCATAN MHYYYHBMNC SGGTACCAAT  
101 AGTTACCYGC CATACTCGCA CCAAGTTGTC TGTATAGCCA GCAAACAGAG  
151 TCTKGCCATC AGCAGACCAT GCCAAAGAGG TACACTGGGG TGGCTCTGCC  
201 TTKCTGCTGG TGCTGATAAC KTCTTNCKBC AAKTCATCTA CAATGRBCTK  
251 GCCCTCCAAG TYCCAGAYCT TGATGCTGVG NNCMRTGGCA GCSCAGAGCC  
301 AGTAGCGGTT GGGGCTGAAG CACAAGGCAT TGRTGATGTC CCCACCATYT  
351 AAAGKKTAGA GGTGCTTGCC TTCATTGAGA TCCCACAGCA TAGCCTGGCC  
401 ATCCTTGCT CCAGAACAC AGAGGGATCC ATCTGGAGAG ACAGTCACTG  
451 TGTTCAAGGTA GCCAGTGTGG CCAATGTGGT TGGTCTTAG CTGCAGTTAG  
501 CCAGATTCCA CGAATTCCAC CACA

ug308f

1 ATTGGCCTTG AKCATCTGAG CGGCGCAGTK TGTGAATCAA GCTGAGCGGC  
51 GCTTTTTTT TTTTTCAAGC TAACTTA

ug308o

1 GAATTCGCTC TCCTTCCCTC GGAACAAACATTAGCTACCTG GTGCTCTCCA  
51 TGATCAGCAT GGGGCTCTTC TCCATCGCTC CCCTCATTAA TGGCAGCATG  
101 GAGATGTTCC CTCGGCACAG CAACTCTACC GCCATGGCAA GGCCTATCGC  
151 TTCCCTGTTG GTTTTCTGC TGTCTCTGTC ATGTACCTGG TGTTGGTACT  
201 GGCAGTCAA GTTCATGCCT GGCAACTGTA CTACAGCAA AAACTCTTAG  
251 ACTCTTGGTT CACCAGCACA CAGGAGAAGA AACBGAAATG AAGCCTGCTT  
301 GATAAACTGC TCTCGAGGGGG TAAAACCTAG GBCTCCATT GAGCAGCGTK  
351 AAGGGAGCHG TCCAGACTCT CCATCGATTG TVGCATCTGT GATGTTKGVC  
401 ACC

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ug308t

1 GGAATTCTGTG GATCTGGCTA ACTGCAGCTA AAGACCAACC ACATTGGCCA  
51 CACTGGCTAC CTGAACACAG TGACTGTCTC TCCAGATGGA TCCCTCTGTG  
101 CTTCTGGAGG CAAGGATGGC CAGGCTATGC TGTGGGATCT CAATGAAGGC  
151 AAGCACCTCT ACACTTAGA TGGTGGGGAC ATCATCAATG CCTTGTGCTT  
201 CAGCCCCAAC CGCTACTGGCTCTGCGCTGC CACTGGCCCC AGCATCAAGA  
251 KCTGGGACTT GGAGGGCAAG ATCATTGTAG ATGATTGGCA AGAGTTATCA  
301 GCACCAGCAG CAAGGCAGAG CCACCCCAGT GTACCTCTT GGCAATGGTCT  
351 GCTGATGGCC AGACTCTGTT TGCTGGCTAT ACAGACAAC TGGTGCGAGT  
401 ATGGCAGGTA ACTATTGGTA CCCGSTAAAR GKTTTATGAC

ug311cons

1 ATTGGCGGC GTTTATTGG AGCAAATTCA GCTCCGGAG CTGGACGGTT  
51 GAATGCAGGA GGAGTTCCAC CAATTGCTCC AATTCCCTCC ATTGTTGCAG  
101 CTTGGCCAAA ACGTTCAGTT GTTGGTGGGG TCAATCCAAG GGTTCCATCT  
151 GGCATCATAG TGGCAGGTCC TGGAGGGAGCT GGAGTACCAAG GTGGCACAGG  
201 AGCA.GGGGG CATCGCGCCT CTATT.GTTT ATGCCCATAG CACCTCCAT  
251 AGCCATTGG CCCATCCGTA TCTCTGTT TCTCGCATCA GGGAAAGGTT  
301 CCTT.GAACCTT CTCCTGCTG TCGGCGCATC ATTCCTCTT GCTGTCGCCG  
351 CATCTCTKCC TCACGGCGCC TGCCTKCCTC KTCCCTGCCG AGTTCTAACT  
401 GCYTTCGSTT CTGAACCYCT TKGKTATGCA GCTCCTCCAT TCTCCGAAGC  
451 TCTTCTTGAC GTCTYATCAA ATCCYGCCTC ATTAGCATAA CCYGGKGCTC  
501 WTGACGKGYA GCCTCCATCT CCATCTCCAG CNTTCTCNAC GAGCCTCCTN  
551 GATGTNCCGA NCCACTNGAK CCTGCTGTTG CKTCTCCATCTCAATGAGTG  
601 CCTTCCAGCG CATGGCATACTCATACTCAA AGGAGCVAVV NHGTGCAAAT  
651 CTGGGTGGCT GTTCTCTCTC CTTGTGGAATTGCTNNNNNT TGANNTCCAC  
701 CACA

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ug316cons

1 CGDTAGGCGA GCAGCGCCTN NCCTGAAGCT GCGGGCATT CCGATCAGAA  
51 ATGAGCGCCA GTCGTCGTCG GCTCTCGGCA CCGAATGCGT ATGATTCTCC  
101 GCCAGCATGG CTTCGGCCAG TGCCTCGAGC AGCNNCCMRC TTGTTCTGA  
151 AGTGCCAGTA AAGCGCCGGC TGCTGAACCC CCAACCSDDN VMSAKTTTR  
201 CGTGTCTCA NNAMCGTCTN ACRBCGACCT YGTTNCAANC AGGWCCNWGG  
251 GCGGMAMGGA TCNACTGTNR WTCGGSYKYR ACKTTKTNNC ATSCTNGAVR  
301 CTTTATCACT GATAAACATA SAT

ug317cons

1 GGAATTCCGC TG CCTCAAGC TGGCTTAAGT CCTGCTGAGA TTCAGCACT  
51 ATGGAAAGAA GTGACTGGAG TCCATAGTAT GGAAGACAAC GGCACTCAAGC  
101 ATGGAGGGCT AGACCTCACG ACTAACAAATT CCTCCTCGAC TACCTCCTCC  
151 ACCACGTCCA AAGCATC.AC CACCCATCAC ACATCATTCC ATAGTGAACG  
201 GACAGTCT.T CAGTTCTGAA TGCAAGGCGG GACAGCTCAT CACATGAGGM  
251 GACTGGGCC TCGCACACTC TCTATGGCCA TGGAGTCTGC AAGTGNGCCA  
301 GGCTGTGAAA GCATATGTGA AGATTTGNG ACAGTTTG AAGCACCTTA  
351 ACAATGAGCA TGCATTGGAT GACCGAAGCA CTGCCAATG TCGAGTGCAC  
401 ATGCAGGTGG TACAGCACT.TAGAAATACA GCTTCTAAG GMACGCGAAC  
451 GT.CTTCAAG C.GATGATGA CCSACTGCA CATGCGMCCC TCAGAGCCCC  
501 AACCATCTCC CAAACCTCTA AATCTGGTGT CTAGTGTAC CATGTCGAAG  
551 AACATGCTGG AGACATCCCC ACAGAGCTTA CCTCAAACCC CTACCACACC  
601 AACGGCCCCA GTCACCCCGA TTACCCANGG ACCCTCTGGA ATTCC

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ug320ft

1 GGAATTCAAA RCAGTAAC TC CATAGAGCAT CAGNMAAMGA VTCCATGAAC  
51 GTACATGTT CAAATDDGTN NGCCTCGGG A GTAGTCTTGG GAATGAGAGT  
101 CCTTACGGTC CAACATGCTG GCAAACGTTA GCTAACATT A ATGTCAGAN  
151 MAGMGTGAGA CAMGCTTG TG CGCTTACMAG THAAMCAGTA GAGTTCTTGC  
201 AGAGACAGAT TTSTGNAGGH NSTCAGTCAC GATGACAAAG TCTCACATAG  
251 HHCTBGCAAG ACACCGGGAC GATTGASRA

ug320ors

1 GGAATT.CGT ACAGTCACCA AAGTCACATT TCAGAGGAAA TCTTAATAGA  
51 TCTTCTCACA GCCAAAAATG CAAGAAGCAC ACATTTATA GTTTTNGTT  
101 TGTATCTCAG AGCCTCAGTC CATA CAGAAC AAAGTCAGCC CAACAAAATC  
151 AGTTCAAGGA AAACAAAAGT TAATTGCTT GGGCTTCCTA GCTAACACTT  
201 GGCTATTTTC CCACTCAGGT GGAGGAGTGT GTAATTCTGC CAGTGCCCGG  
251 GAGCTGAGCA CCCAGGBTAA AACACACAAA AVMACACAAG NTTAGGNTCC  
301 TGGTGNCKA GAAAGTTACA GTTAGAGCGG AGGCTKCTKA CAGCCTGGRN  
351 GTTCCTGGRA TRATCAMAAC NTCCAGCANG CACAACCTTG ACTTACAATT  
401 GRCAGCTCTG CTCTACTCTG GGGTCTGAAA ACCCCAGAGA GGCGCAAAGC  
451 TGACTCTAAG AGGCAAGGTC TGTCTTGCTG TTGTTCTATT GCCACGAAGA  
501 GACACCATGA CCAAGGCAAC TTTGAAAGCA TTTAATTGG GGGKTCTGG  
551 ATCCAAGGGG

ug334ft

1 GGAATTGTT TTBYTTTTT TTTTTTTTT TTVGGTATA ACACAACTKT  
51 KRRTAADCTA TTACAATWTW TCATGAACAA GGTAAATCAC TTGAGTAAC

457/472

ug334ors

1 GGAATTCG.C GTCGGACCTN GCGGAGCCCA GGATGGTGT G.CTCGAGAG  
51 CGAGCAGTTC CTGACGGAGC TGACCAGGCT CTTCCAGAAG TGCCGCTCGT  
101 CGGGCAGCGT GTTCATCACCC CTCAAGAAAT ATGACGGTCG CACCAAACCT  
151 ATCCCGAGGA AGAGTTCTGT GGAGGGCCTC GAGCCTGCAG AAAACAAGTG  
201 TCTGTTGAGA GCCACGGATG GGAAAMGGAA GAHCAGCACC GTGGTGAGCT  
251 CCAAAGAAGT GAACAAGTTT CAGATGGCCT ATTCAAATCT ACTGAGAGCC  
301 AACATGGACG GG.CTGAAGA AGAGGGACAA GAAGAACAAAG AGTAAGAHGW  
351 GCAAACYAGC ACAGTGNACA GGYGNTGGCT GCTACCAACC AGSTGNCACA  
401 ANGTGNCATT TTNCNNNCTC NTNGTTGCT RVTTTNCAGC AMCTSTGTAT  
451 GTAACTGTTT CCACCGAAGG GTCCTTAAG AGAGAAGGAC TGGGATGGGC  
501 ATGGGCTAGT TGTBGTAAAGA CGCCAKTTT SATTGTGCYG TGTGGGCTGG  
551 ATATTCTTAG ATTCCAGCCG TA

ug335ors

1 GGAATTCCAT TGGCAATTTC TTTTCCAAT TCCATAACTT TATTCAATTBC  
51 CAA.AG.AGA GCTGGTTTC ATCAATAGGC AAACTTGTT CCTGACGAAT  
101 CAGTCTGGCC ACAGAAATCA TAAAATCC.A CATATGCTGT GCAAGCCTCT  
151 TTATAT

ug335t

1 GGTGGATTCC TTCCTTAATA GTGTTATTVT GTTTGTTCT ATGVTTGTCC  
51 CCCTCCCCTT TTCTTGAGGC AGCGTCTCAC TCTGTAGCCC AGACTTGACC  
101 TGGAACTCAG AGCAATCCTC CTGCCTCAGC CTCCCAAGGG CTAGGATCAC  
151 AGGCGTGCAG CACCACGCC AGCCTTCTTA TATTTGRRD DTTTTTTCT  
201 TGCTTTWATT TGATTTTCT TTTCTTACA AATAGAATTA SCACCCTT

ug353ft

1 GGAANTCCGG CTCGAGCGGC CGCTTTTTT TTTTCTCTCT CTCTCAGCCT  
51 TCTGGTTATC GTTACATGRG AACATCAGAC ATACTARRGG GG

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ug353ors

1 GGAATTGGGG GGAGAAAGAG AGGGAGGGAG AWWGWDAGAK AKAGAGAGAK  
51 AKAKATCTTD TTCTYCTGGC ACAATATTWW YTKTNNNN DTDWGCTNNA  
101 AACTKTTCT NGTATTTWT KACAWYMRGG RAATTCTTC CTCTCTAGGC  
151 AGATTGCCAA AAACAACCTAG AAGCTAAATG CCTGTGCCTT CTGCTTCTAC  
201 GACACACCAC TCCGTCTTGT TCAGTTCAA CTAGCGTCGCTCTAAAAGGA  
251 CAAAAAAACTT CTTGTTTTC TAAATAAAAC ATAAATGGCC CAGAATTGAA  
301 ATTGCCGATC TTAAAATTT AAGTGAUTGA AGATTCTATT AATTCTGGCA  
351 ATAAAATCAT TAAAAACAAA ACAGGTTGCA TAAGACTTT AAACAATTCA  
401 TTCACAGGCA TGAGAATTAA AGGTTCTTT TAAAATATAA AATGCTAAAA  
451 CAATAAGTCT AACAGGAGAA TATGAATAAT ACMATATTCT AAGAAAAAAA  
501 CCCACAAAGA CAAACATGAC ATTCATTCA TAGCTCATTCA AAATAAACCA  
551 AGGATTAAAC CTTAGTTTA ACCTGTTAAT TTCCCTTTT RYTTTAGTAT  
601 GTCTGATGTC DCATGTACGR TARCCAGAAG GCC

ug354cons

1 GGAATTCAAG AATTTWBYW NVCWVDSCWR MYYCYMYKKY SKYMTCCGMC  
51 TCCTCGGGGG CMNCTCCTCT CCTAGTGCCA AAGACATCAV GANAATVCTN  
101 GACAGCGTGG GCATCGAACG GGACGATGAT CGGCTCAACA AGGTCACTAG  
151 TGAGCTGAAT GGAAAGNNCA TTGDGGNTGT CATCGNTCAG GGTGTTGGCA  
201 AGCTGGCCAG TGTGCCTGCT GGTGGGGCTG TGGCTGTTTC TGCTGCCCT  
251 GGCTCTGCAG CACCTGCTGC TGGTTCTGCC CCCGCTGCAG CAGAGGAGAA  
301 GAAAGATGAG AAGAAGGAGG AGTCCGAGGA GTCGGATGAC GACATGGGAT  
351 TTGGCTTGTT TGATTAATT CCTGCTCCCC T.GCAVATAA AGTCBTTT.A  
401 TGAAAAAAAAA AAAAAAAAAGCGGCCGTC GAGCCGGTGA ATTCC

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ug357ft

1 GGAATTCTGTG AGCAGAAAGC AATGAACATA GATGGTATAC ATACTGTATG  
51 BSTGTACTVG CTACAVGRGA CATA CAMGCA TGTCCATCGA AGACTTGAAG  
101 AGTTCTAAAG CAGCTTACAT ACCAGCTCAC CTGTCCTGAC TTCAGTTAAA  
151 TVTVGVSCTA TGNTBCCAAC AACAGGGGAA AMCAGACTAT ACGGTGATT  
201 TCCTCAGMGT GTCTTGTTT TCCTA

ug357ors

1 GGAATTCGTC TTCAACGGCT TCTGTAATC TCGGTGACCC CACAAGGCGT  
51 ACTGAAGGAG ATTACTTATC GTACAGAGAG TTACATTCAA TGGGAAGAAC  
101 TCCAGTCATG TCAGGATCAC AGAGACCTCT TTCTGCACGA GCGTACAGCA  
151 TCGATGGCCC AAATACATCC AGGCCTCAGA GTGCCCGTCC CTCTATTAAT  
201 GRANNVCCAG AGAGAACTAT GTCAGNTAGT GANTTCWATY WCTNCACGGA  
251 CNTAGTCCTT CAAAAGWACC AAATACAAGG KTCGGGTCTG AACATNTCTC  
301 TGTTAGADCC YCCAKGDRWA AGCAAGGTTC CTCATGACTG GCGGGANCNA  
351 GTACTACGAC ACATTGAGGC CNAAAWGTTA GAAAAGGTAA TTBAACTGAG  
401 TTTTCATTCTCTTWCTTAA TTTWTTTC

ug371f

1 GGAATTCAAC THATTKKACT ATBSVNVCBV SVANCACTDG TKCTGCTGC.  
51 ..TGCTGCTG CTGCTGCTGCTGCTGCA GCAGCAGCAG CAGCAGCAGC  
101 AGCAGCAGCA GCAGCAGCAG CAGCTACAVC GGCKCACACA

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ug371cons

1 GGAATTNCCC GGCCCTGGCA CAGAGGACTA GGTGTGAGAG TGTGAGGTTC  
51 CCACCCCCAC CTTTCCTGCN GCBGCTCCCT CCCCCSNGAC ACAGCCACCC  
101 TCCGTNGCTC ACCBBCTGGG AGCTTGTTC TTCTTGTTC AGGBGCGTAA  
151 TTBCGACACT CTCTAGGGCG CAGGGAGCCC TGATTTACAT ATTTCTCYNN  
201 BGAGTBCTT CCNNCTGGTA GGGATTNNNC TCTCTTBGGT TCTGACACCA  
251 NGGNACAAGA GTBCARACNN TNNGAAAAAA CGACTYCCAG GAGCTAGCNT  
301 TGGCGNTGGG CCTTGGTACC CNATTAGGCC TTTNYTTCTT CCAGGTTTT  
351 CCGCTCNNYT SYKTCCCKYC TTTCTTGCT TACTYCTCAC TCTTCTYCCT  
401 TCTCTCTCCT GTCTCCYCT CTYCCTTCC TCGCCTCCAT CCTGCKKTCT  
451 CKCCTKTCTC CAGTCNKTCT TAGTRCCCTCC ATCCTTCCC TTTACTCTCT  
501 CTCTNWCTCT MYCTCTCTCT CTCTCACACA CACACACACA CACCACACTA  
551 GTGTTCTKKD AATWGTBAAT HGTGATCCCC CCTGCGCCTC CCTCTCTCGG  
601 CCCYCCCCCT CC

ug440f

1 GGAATTCCGG CTCGAGCGGA CGCTTTTTT TTTTTTTTY T

ug440rs

1 GGAATTCTT AATTCTATCT AGCCTCTGGC CCAGGAAGAG TGCACATT  
51 AWGGGACTCA GAGAAATGCT GAGACACATC AAGAGCTGCT GGGCATCCAG  
101 GAAGAATCTG AGTGCAAATT TATCTTTCC TGATGGGTCG TCATCATCAA  
151 TAATTACATG GHGAYCAGTC AACAAAATTK TAAAACCCGG HMCCAAGTTA  
201 CAATCATGTG TTCTGTC

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ug441ft

1 GGAANTCCTT ACCTCAGANC CCTCATACAG TGCACTGGTA CCAACACCTG  
51 GGAAGGCAGC CCTGCAAAGG GGCCCTTCTC CTCCCTGAAC TATGTCTGAA  
101 TCTTGAGTA TCTCATTGTG CCCAADATGC ATCTGGGAAT TGTGCAGAAA  
151 GACGTTCAGA AAAGAGGGTG ATAMCAGAGA HHYCCCGAAT AAGGGGACCA  
201 ATGTATATGG BCYYYCAMTC ACAGTTCTA TAGRSSCYBY BGTAGACCTT  
251 TBGTTGGGAA ACGCCCTACA TCTGGCATA GCTTCCTTTT

ug441ors

1 GNAATTGAG TAGATTCCA GTGCTCACCA TGAGGGAAAC AATGTTACTA  
51 TAMCDDDNCC TANTGNASGN NNNNNNNNGC CNGNGTAAA CNGNTAGAGG  
101 NTCCTCTGNT NCANTGTNCT TTAMACAYMR YTWSRGTAGA CAGCAATGCT  
151 CTTTACCTAG CTTAGTGTTC TGAWKGSMAA ATATTGTATA TTGTGATAAT  
201 TATGTCCTAT TTATTTGAGA TTCTTGTAA AAATTTAAAA AACAAAAAAA  
251 CAAATDAAAA TTTTTTGCT ATGCCCTAGA TGTAGGGCTT TTTTTCCAA  
301 CCAAAGGTCT ACAAAAGTTT CTATAGAAAC TGTGATTG

ug482ft

1 GGAATTGGC TTCAAAACAC CATGTAACAT CTTAAAAGA AAAAVANNTT  
51 TWWWWMCTCA AACGAATCAG AAATGTAAAT CCAGGTCCAC GAACCCACAG  
101 TTAGGCCAG TGGAGTGAGA GGGTCCAGGG AATAGGGGGT GGGGGGAAGA  
151 HAGSNAGCCA AAGTCTCCTG AGGCTCCCT CAGATGTGTA GAAAAATTAA  
201 AGATAACYCC AAT

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ug093ors

1 GGAATTCAAC AGAATACAAG AAATGGAAGA GAGAACCTCA GGTGCAGAAG  
51 ATTCCATAGA GAACATCGAC ACAACAGTCA AAGAAAATWC AAAATGCAA  
101 AGGATCCTAA CTCAAAACAT CCAGGTAATC CAGGACACAA TGAGAAGACC  
151 AACACCTACGG ATAATAGGAA TTGATGAGAA TGAAGATTT CAACTAAAG  
201 GGCCAGCTAA TATCTTCAMC AAAATAATAG AMGAVMMCTT CCCAACATA  
251 AAAVVMGAGA TGCCCAGT GAT CATAAGAM GCCTACAGAA CTCCAAATAG  
301 ACTGGACCAG AAAAGRAATT CCTCCAAACA CATAATAATC AGRACAACA

ug096f

1 TCTAGATGCA TGCTYGVGCG GCCGCCAGTG TGGTCCAATT CCCGGTCTCG  
51 AGCGGCCGCT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTT

ug096ors

1 GGAATTCTGT ATCATGAAGC CTAGTDCGCT CATTACACAA BBBSGGGGGA  
51 GGDCTCAGGA CCTCTCCACC CGGGGAGTCA TTTCCCTGTG .TGCTGTGGA  
101 ACTAATTGAA AAAGTAAAGT CCAAGGAAAC ACTGCTCTGT TTCTGAGACA  
151 TGAAGGAAAT GAAAACACAA GACAAAGCAA AGAGC.TGCG CATTCTCTGG  
201 CCCACGCACC GCGAGAGAGT GCCCAAGGTC AGCCATCACC CACTAGTGT  
251 AACTGACCCC AAGTTAGCTC CCCAGCGAGC AGGCTCCAAA CACCCCCATC  
301 CTTCTTTCT ACAGGAGGTTT GTGAATAAAA TCACCCCTTT CCCTCAGTAC  
351 CACATCTCTT AACTTATCT RCCCAGCNAT GGGGTGAGCA GCCAGACTYN  
401 GATCTKGTA MACTTACATA ACATAATTG AGTGCTGAGA ATACAGCTCA  
451 GAGGTAGAGC ACACTTGCCT AGTGCTCATG AGCCACAGGC CCATTCCAG  
501 TATCATATAC ACAASGATA ATTTSTWGA CTA

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ug101orsft

1 GGAATTCCGC TTG.ACCTGC CTTGGGGTAT GGGTACTGCT TTGCTTG  
51 GTACAGTGCT CCAGTAAACC GAGGTATGAT CATGTTAGGC ACCAACGAGT  
101 CATTATCAT CAGGAAGGCA AGTCTCTCTC CATCGGGGGA CCACCAAGTGG  
151 GCGATATGAG AATGCAGAAG TTCTTCTAGA ATAAATGAGT GTTATNNYAC  
201 ATCAACTTCA TATAACCAGT CAGCAATCCC ATTAAAAATA ATGCCTTCCT  
251 TTCCTGAAGA TGTTAGTCGT AAAGAACTGC TCTTGATATC AGGTTGATAG  
301 TAGATATTGT TTTCAAAAAT ATAAATCAGC TGCTGTCCCT GCACACCCCA  
351 GGCG.CATA CTGCAACAC.TGAGTCCTCA ACTTCTGGGG GA.TTCAA.C  
401 TCCCACANHT TCCCCAGATN NAAAGTATGT TCDCCTGGCA TACGACGHYC  
451 AAGCRGHKDC ATACTCATTA CCGCTTCATA TTGATTACAA CATAACACT  
501 GGA

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ug102cons

1 GGAATTCCCTC TCTCTCTCTC TCTCTCTCTT TTTCTCTCTC GCTCTCTGCC  
51 TTTCTCTGTC TCTACTCCCT CAACTCTCTT CCCCATGCC TGAATAACCT  
101 CTATTCTATA CTACAKGRCT GGKCCCTCAG GGGGAAGGGGG TGCCCTCAGCA  
151 TGGGCCCGCA GAGGTACCCC CTTCCCCACA CCTGATGGCA CCAAACATAT  
201 TCCTTCTCTC CTTCTCTCCC TGCTCATCGC TTGAGGTAGC ATGGTTCTCT  
251 CTGGGAAGCT CTGGGKGCTG AGTCAGGGCT CTGCNTCTGG CCCYCCCTG  
301 AAACTCCATC AGAATCTACA TGGCCCTGGR CTGTGGCAAT TKKCTTCTTG  
351 GDCCCYAACAA AGACTTWAAG NKYCTYGAAG GGCAAGGTTT CTTCCCACTA  
401 AATCCAGCAC AGGGCAAGAC ACATAGTAGG TGTTCCACAA GCACCTAATG  
451 AGTGCTCTGG GTTGTGGGA TTTBYBByG TTTGTYTGTGTT TTGGTTTTGG  
501 GKTTTGTGTTG TTKGTTWGTT TGTTAGYNS GTTTGCAAC AAKGTCTCAA  
551 GTGACATAAC CCAGGGTGGC TTCAACAAATG TKAACAAAGG GTCYYCYKSC  
601 YYSRMCYKKY MARKKSYKGG RNNMMMRGSS SMMCMWKSCY KGKSYWWWWK  
651 GRKTKRRCCC AGGGCCTCAG GCATGCGGTA CAAGCACTCT ACCAACAGRT  
701 CTGCATCCCC AAACCCCCAA CAGACAACCT TTGGTGCCCG GAGTGTGCCA  
751 GGCCTCCCTG GTAGTACTGG GCAGACAGCA GTCCTGCTC TTGGCCTTGC  
801 TCCTGCTGGA AGCCTCCCTT GACTCDTCA GGCKTTTACC TGAKTCCTAC  
851 TCTATGTCAC TCATCAAACC TCTGCGCCCA AGAGGARCNNG YCCTGGGAAA  
901 ACACAGGAGG CGGCGACACA ACACTGTGCC TTTCCTCGCT GGCCCCAAGG  
951 ACACTCAGCA GGGGTTGCTG GTACACCKTC AACCKTTGT CTCTTGCD  
1001 KKTKTCTCTC BTCTTGCC TTTGAGGTTT CATGGTTGTG GTGGTTGGG  
1051 TTTTCTGTGG TCGGTTGGCA GTAAGGTCTS MNNCATAACCC AGTGTGTTG  
1101 DTKCKGCAAA TGCNTATATA TAATGGNAAA TCC

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ug482ors

1 GGAATTCCCG GCTCGAGCGG CCCCTTTTT TTGGGGGGGA GACGGGGGCT  
51 CAGGGTGTGA ACATGAGGTG AGACCTGGCA TGGCAGGGCT GAGTCGTGCC  
101 TGCTGTCAAGC CCCTCTCTGT CCTTCCCAG GCTGAGGGGG GCCTCAAGCT  
151 CCCTCCCCA GCAGAGCCCC ACCCACCCAC CCCGCCTTCA AAGCCCCCTT  
201 TGGAGAGTTA ACTGTCCGTG TGAGGCGCTC ACTCAACCAA TAAGCCCCAA  
251 NGAACTAAA GCAATAATCT TCGTTACTGA GATGCGCGGC TGTTAGTGTT  
301 TNGTTGTTGG KTTTGNTTT TTTGGGKTTT

ug484ft

1 GGAATTCTTT ATATCATTKK VNKNCCATAV GGBGTCATCT ATGTNBDAAT  
51 TTWTYNNNNC ACATATBSSG CTCATTACAC TTATATCGGG TCAACACAGT  
101 GGCAGATGNT CATCAAATGT CTTTCATTCT AACACAGTGG CAGATGTTAT  
151 CAGATGTCTT TCTTCTAAC AGTTACAAGG CCTTGTCTCT ACCTCTCCG  
201 CTTCCATGAC CCAGTTTGG TGATTCTAAT TTAA

ug484ors

1 GGAATTCGTA ATCCACTAAT ATTATGGGT GTTATCACAA GTATAMCAAT  
51 NNGNTVGTCA ACTAC..AAA DCAATAAANC AGTTGCCAA ATAGCAGCGT  
101 ACGCCCTACG TTAGCACAGC CAGGTATAAA GATCCGTAGC CACACCAAAC  
151 TCTACAAC TG ACTGTTAAGT GGCATAACAG TAAATAGAGG ACAACCCAT  
201 GTTCAGGGAT TAGTGAGAGG GTCCAGATGT TAGAAGCTGC GCCTCCTCCC  
251 CACTCCTGT ACTCACTCCA TCACTTAATG CAACTAAAGC GTGTTCTCT  
301 TTCCCTTTCH CTCCTANTCT GACAATGTAN TGCTGATATT AATTGAAAGV  
351 CAATAGCCCC AACTGCCTTG AAAACAAAGA AGTATTATGA GTTGTGAA  
401 CACATGGGKA TTAAAAAAC

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ug485ors

1 GGAATTGCGC CGCTGTCTTC CCGCTCGCGT CAGGGACCTG CCCGACTCAG  
51 CGGCCGCCAT GGCATCAGAT GAAGGCAAGC TTTCTGTGGG AGGACTCAGC  
101 TTCGACACCA ACGAGCAGGC GCTGGAGCAG GTCTTCTCCA AGTATGGGCA  
151 GATCTCCGAA GTGGTGGTGG TAAAGGACAG GKAGNACCCA NGCGATCCCG  
201 AGGCTTGCGG TTSTCACCTTKAAAATAT CGANTGACGC TAAGGANCAG  
251 CATGATGGCN NTATNGAANT KGGNAAGTCT KTGGACGVGC NGGCARATCA  
301 KAGTTGACCA GGCTNGRCAA GTCTTCTGAC MACCGGYCC GAGGATACCG  
351 GGGTGGCTCT GCTGGAGGCC GGGGCTTTT CCGTGGGGGA CGAAGCCGGG  
401 GCCGAGGGTT CTCCAGAGGA GGAGGAGACC GGGGCTATGG AGGTGGCCGC  
451 TTTGAGTCCC GGAGTGGGGG TTATGGAGGC TCCAGAGACT ACTATGCCAG  
501 CCGGAGTCAG GGTGGCAGCT ATGGTTATCG GAGCTCGGGA GGGTCCTACA  
551 GAGACAGCTA TGACAGTTAT GCTACACACA ACGGGTAAAG CCCTCCGCGT  
601 CCAGADYCGT CCTTCCATGG CT

ug485t

1 CAAGTTTGG TTGAATTCCCT CGGAGCGGCC TTTTTTTTTT TTTTTTTTTT  
51 TTTTYYYYYYY YYYYYTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT  
101 TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTAAAWWA  
151 AAA

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ug491ft

1 GGAATTCCGA GGCGCCACAG CCGCTCCGG ACTCGGAGCA GCCGCCGTCT  
51 GCCGCGGAGC TGGAGTCTTC GGCGAAGAA TGCAGCTGGG CCGGGCTTT  
101 CTCCCTCCAG GATCTGCGAG CCGTGCATCA GCAGCTGTGC TCGGTAAACT  
151 CCCAGCTGGA GCCGTGTCTG CCGGTGTTCC CCGAAGAGCC GTCAGGNATG  
201 TGGACGGTGC TGTTGGGGG CGNCCCCGAG ATGACCGAGC AGGAGATCGA  
251 CGCTCTATGT TACCAAATCC AGGTCTACCT GGGCCACGGS CTGGACACGT  
301 GTGGCTGGAA GATCCTTCT CAGGTTCTTT TCACCGAGAC GGATGATCCG  
351 GAGGAGTATT ACGAAAGCCT CAGCGAGCTG CGGCAGAAGG GCTATGAAGA  
401 GGTGCTTCAG CGGGCCAGGA GGCGCATCCA GGAGATGCAA AGCTTACAGG  
451 GTGGTACAGA AGCTATAGCT CGATTGGMTC AGCTGGAATC TGACTACTAT  
501 GAYCTGCAAC TTCAGTTGTA TGAAGTACAG TTTGAAATCT TGAAGTGTGA  
551 AGAGTTGTTA TTAACTGCAC AGCTGGAGAG CATCAAGAGA CTTATATCAG  
601 ACT

ug491ors

1 GGAATTCGTT TTTGTACTGT TAACATTAAC AATTTTTTTT TTTTTWBBS  
51 ARRVGATTCC AGGCTTCTT GACACTATCT TTACTCTTTA TANACTCAGG  
101 AGGTGGTGCT CCAAGGGCAA AGAATATTAC WRCWGACTTA GCCAATTAA  
151 CTGCTCCAGC TGGGAATACA CTCTAACAG AACCCCTACA ATCAGAGTCC  
201 TATGGCTCTC TCTGAAGAGC AATGTAATC AAACATTAGC ACATTTCTAT  
251 TACCTGCTTA AATGTTGAA GTCTATCCAG TGTCTCTGT CTCTCTGGC  
301 TAACCCAGGC ACTTTTCTT TCCTCTTCAT CATGCAATT GTCTCTTTT  
351 ATTTGTATTG TATGATGGGC TCTATATTCA TCTTCACTCT GAAA

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ug493ft

1 GGAATTNCCC GGCTCGAGCG GCCACTTTT TTTTYTTTTT TTTTWWTTTT  
51 TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT  
101 TTTTTTTTT SCCTTGCCCC GTTTTHTTB TTTTAAAHH TBKTGSGGDK  
151 TYACCCGAAM RGGCMAGCCT TYMCACCCMG GGGGGTTWKT CCCCCAAAAGG  
201 AGGGA

ug493ors

1 GGAATTCGNT ATTATATAT AVGCGATAMT NBSGGTTGK NACATTAGTT  
51 TTAAAAAAAGG GAAAGTHTTG NTYTGTATAN NNYGTTACCT TTTACAGAAT  
101 NHAAGNATTCAACATTAAGN ACCATGTAAC CGAGACACTT GATCTGACAC  
151 AGGGGCMGTC GGGAAACCGA TGACTGCAGT AATCACCAC GTACAAAAAT  
201 GTTAGTGGGT TTTGTGCACG TAAAATGCAC ACTTCCATT CCTGTCAGTT  
251 TCTTATTTGA VAA

ug494cons

1 GGAATTCTT AMVTGTTTAC CATCTACTCG TGCTGAATCC TTCCAAGGAG  
51 ATTGCTCCAG CGTATATCTC CAGGTCCCTCG CTTGCTCCT TTTACCAAAA  
101 AATGCAAAAC ACAATTCCAT CGTGCATCTT AAGGGCTCCA ATCGTCAAAA  
151 ATAGGAAAAAA AATTCTTGG AATAGCCAAT TAAGTTGAAT GAAAAAAAAN  
201 TCCNANCACG AATGCCGTTT GGTTGGGGCA GGAAGGAATC CACTCCTATG  
251 TKCCTGGTAA TCTGATCCCG CNCCATGAAT CCTGGTAATT CATCCTCCCT  
301 ATCCTATCCA CATTATGATT TGAATCCAAT GATCCTACTC CAGTGATTGA  
351 CAA.GTGTGC ATTGCCCTATG TTTGTTTATV CBBKAATTAC AAAACTATTT  
401 TTTTTTAACCTCCTAAGAAT TCC

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ug503ft

1 GGTGGAATTC GGTCGAGCGG CCGCNTTTT TTTTTTTTT TTTHWWHHWW  
51 MMMMMMMMHH BBBBKKKNNN KKKKKTTTT TWDGGWACAA CAAGDTKAA  
101 DGNTTTTTT WCTATTNGGG KAWAAAMVGG TTTWAANGKT TTTWWWAARN  
151 GGGTTTTNA

ug503r

1 SCAVMAHTTA CACTATATAAC ACYAACCATC AWCAMTCTT TACCTATCTC  
51 TTATCCACTA TTAACCTCCT TCAATTYYT TTTAATTCT TTTTTTGTA  
101 CTACTCATGA TGTTTYTTC CCTCTCTTT TTTCTAATYTTTTTTCCC  
151 AAYAYTTATA CTTAATATA AAMTCTYGT TTTTCATTCTY ACAAATDTY  
201 TTGCTCTCCA WTTYTCATT CTTAAAATT CSGRCWTAA ATTAKCTTBKA  
251 AACBATTG CTTTGCTC CKTTTKATT GTCCCTCATT KAKTCTCTKG  
301 WCCCATTGG

ug503s

1 GGAATTCTGTT TTTTTTTTTT TTTTCCCTC TGTGGTCTAA GCTTGTGGGT  
51 CCCAGACTTA GTTGAGATAA AGCTGGCTGT TATCTCAAAG TCTTCCTCAG  
101 TTCCAGCCTG AGAACATGGCA TCTAAGTCTT CAAACATTTC GTTGCTCGTT  
151 TTATGCCCTC ATGAGCTCTG ACCATTGCAT GCGTTCCCAT CCCAGCTACA  
201 GAACTTCAGT TTATAAGCAC ACAGTAACCA TTCCTCATTG CATGATGCC  
251 TCAAATAAAA GGTGAATACA GTCTAT

ug505ft

1 GGAATYNGGA ..TBDRVARG VCBTTAGGAT GA.CTGTGTTG TATGGGAAGA  
51 AGTTAGAGAC AATGGATTTN A.DNACNGAT TTNNBGGATA AN.GCKTTGT  
101 SATTNNA.NA GTANCAGGGA AGTAAGYCAT TTT.AGCCTA TN.CNTTAAG  
151 V.GTGAA.CT ACAGGACAGT AANCTATATA

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ug505ors

1 GGAATTCCCTC CAATCTACAC CTATACTTAA AAATCATGAA TCTGACTAGC  
51 CATGCCATTG AAAACCACTC AGTACTAGAG GATGAACCAG TTTTCAATGT  
101 TATCAGCCCT GGAAAACACG SCCAGCTCCC ACCCCCAGCA CATTCTANTT  
151 TNGTTTAAC ATTTTATARR DDNBGNBATT DYHMKTGTGG CCATTTTGT  
201 GGGCARAAAG TTAAATGGCT TCCYTTTRAG RCTTGTTSC YGGGGCVADG  
251 GGAGCACACC

ug506ft

1 GGAATTCAACC GGCTCGACCG GCCGCTTTB TBTTHHBYYN YYNVT.CATN  
51 CVDGNBYTTY GNNNNCTGTG CCTAGTAVTN NNGVNNBCCT AAVCTCACT  
101 AGAACCTAT TBBVGTATGG YAMAHTYCT TSGTTCTAAA TYGGGTTKTT  
151 TTGTCTTGGT TTYYTGTGT TCGTTTGT TTTGTTTGT TGTTAAGAGC  
201 TAGA

ug506or

1 GGAATTCGAG GAATATCAAC TTAGTGCTAT TWTCACATCG TTCAGTCAAA  
51 CTTAGCCAGA GTTCCAACNC CCTACTTAAA ATTCAACTAG AAAGTTACCT  
101 ACCAAGTACT AATTAGCATT ATAAGHTCAG AGCCTGCAGC TCCAGGCCTT  
151 TCAGTTAGTT GTTTACTAGA AAGGACAGTC TTAAGCCAGA TACAGTTMY  
20 CATAAGANAH GTAAAGMMT NCCAGTGAAG CAAGTTTTY CTTTAGCCCT  
251 AGATTCCMGG CAGNACTATT GAGCATAGAT AATYYCCCCC CCTCAGGCCA  
301 GCTTTTT

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1 GGTGCAATT CCGDGCGGCC VTTTTTTTTT TTTTTTTTTT TTTTTTTTTT  
51 TTTTWWWWHN NBBDRNNNNN NNNTTTTTT TTCACTGGNN ATATNTGNTT  
101 TVTN.CCATC AGACATGCTG CAATHTVGV CATTYCCMCA GGGTWTAGCA  
151 GTKTTAAAMA GTTGCAATT GAACAGCTGA CATGAATAAA CAAACAGTGG  
201 GTAGGTGAAT AACCTGCAA CGCGAGTTCT GGATTCACTT TTTGAGCTG  
251 AGATGACAGA TTCAGCAGGA ACTCTGTAC

ugs148rs

1 GGAATTCC TTMGMGCAAG CCTGGGGTCC AGAGCAGATG TATTCGATT  
51 CTGACCCTGA GTACGAGGGC CTGTCGATA AGMCTCCCCT GGAGGAGGGC  
101 CACACTGCGC GTGCACCTAA GTCTGCATCC TCGGCTGGCA GGAAATCTGG  
151 TCGCGTTCG AGTGGGAGGG CTCCGGGGAC CCGSGCTGGG CTGTCCGAA  
201 AGGCCSSCCS GTGCNGTCCA GANSCCMAAG GAAGAAGAGC CTCCAGTTGG  
251 AAGAGGGCTG CTACCTTGAC CACTGCCYG GAACCTBTGG CA

ugs186oft

1 GGAATTCA CTTAAAAGA TTATTCTGTC TGCAAAGTT AAAAAGTGT  
51 GAAAAATATT CTATACATCT TGCTTTAGA ACGTCTCCAC TTTGACAGAT  
101 CAGGTGACCC TCCTCATCAT CCTCTATACT CCTGGATCTT TTCCTTC.GG  
151 TGGCTTTCT GGAACGGCAA GTGGCAGCA CCAAGATCGT CCAGCCAATC  
201 AATATATCAG AGTGAATTCA GGGCAGAATA CGCAATTCA HCAGNSGGGG  
251 AGATATTCA GCANTTCAGR TAAGCACCAAG GCCACGRACA GTTGGCAGGM  
301 GCAATTCAA AWTNMAGTCC CCAGRAATT ACAGGSCACA GTTANKGTT  
351 ACAGAAGRAA AAACATGGCA AGGMACAGAT TTTCAGATAA GATACTTAAM  
401 GTGGCAATAG

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ugs186s

1 ACTAGTACGG CGCAGSWGGT GGAATTCAAAGA AATDACTACT GCGAAGGATA  
51 TGTTCCAAGA CATTACCATA GAGACGTTGA AAGCACTTAC CGGATCCATT  
101 GCAGTAAATC CTCAGTCAGG AGCAGGAGAR GCAGCCSTAA GAGAAAGCGT  
151 AATAGACCCCT GTGCAAGTCA TCAGTCGCAT TCGGTTATGA GTSGTTTGT  
201 TTAWATTGG AATGGATTGA TTGTAAAGCT CTGAAAGG

ugs194oft

1 GGAATTGGGG GSCTAAAGTC TGTCTACATT ACAGATGGGG CTGGACTGTA  
51 CTCTGGTGTT CTGGGGGATG TGGGWKAGAT GAGAAGVRGA AGGCAGCTTG  
101 GCCTGTCCCCA CCTATTCAAG TGCCTCCCTA AAGCAGGATN MGNAAGCTA  
151 GGHMCCCTAGC CAATAAGCAG AGCCTTSGC TGAVGGAGAA AGTAGTCACC  
201 CATGAGAAAT CCAACCACAA GTTGTGCCA CAGGCAGGTG AATATGAGGT  
251 CTCCCTGGGG TGTTGGACTC CCTGGACTAA GAAAATTAAT ACNAHHHHH  
301 TGACACTGCA GTACCYCTAT GGAGAMMVMC NTMTACAGTT TTAGTTGGT  
351 AGGGTATCAA GTCACNTGTA CCAATGTGAC CTGTTCAATC T

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1 GCAGCTATTG GBCATCTCGM CCTCMGCTWT GCSACMGCTT GGYMCSNRST  
51 SGRKCCACTA GTAACGGNCG CCAGTGTGGG GHATTCCCCT TTTGGYYGT  
101 TCTGAAGCTT GDTCTTCAWT CTTTACCCCTG GVCTCAAATG NTTGVCTCCC  
151 HTCMATHAAC CTCTTVCTT TNGTTGGTGC GGNGAGTTCT CTTTCCCTT  
201 TCCCTTCTT ATGGCAGCCC CTACCTGGC AACTCCACTC CACTCCACCA  
251 GGTTTGCTT CCCAGATAGC AGCTGGCAAG TTCTCCAAGG CTCAGGGTCC  
301 TAAGGCTCAG TTTGCAGTGT GGGCAGTGTG TAGGACCAGC ATAATCTTAT  
351 TCTTGTGCC TCCACAACAC CACATCCCCT AGTGGTCGT GCGCCCTTG  
401 AAGCTCTCCA TAGAGCTKGT TGACACTGCC ACTYAGGGCC TATGTCCCTT